

CHARTS AND INSTRUCTIONS  
FOR  
CALCULATING BUSHELS OF WHEAT  
IN  
GRANARIES AND PILES

P.F.A.A.  
REGINA

SEPT., 1955  
1-20830 — PM-8-55

Grain Depth	→½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary					BUSHELS						
6x 6	9.6	19.2	38.4	57.6	76.8	96	115.2	134.5	153.7	172.9	192.1
6x 7	11.2	22.4	44.8	67.2	89.6	112	134.5	156.9	179.3	201.7	224.1
6x 8	12.8	25.6	51.2	76.8	102.4	128.1	153.7	179.3	204.9	230.5	256.1
6x 9	14.4	28.8	57.6	86.4	115.2	144.1	172.9	201.7	230.5	259.3	288.1
6x10	16.0	32.0	64.0	96.0	128.1	160.1	192.1	224.1	256.1	288.1	320.2
7x 7	13.1	26.1	52.3	78.4	104.6	130.7	156.9	183.0	209.2	235.3	261.5
7x 8	14.9	29.9	59.8	89.6	119.5	149.4	179.3	209.2	239.0	268.9	298.8
7x 9	16.8	33.6	67.2	100.8	134.5	168.1	201.7	235.3	268.9	302.5	336.2
	½	1	2	3	4	5	6	7	8	9	10
7x10	18.7	37.3	74.7	112.0	149.4	186.8	224.1	261.5	298.8	336.2	373.5
8x 8	17.1	34.1	68.3	102.4	136.6	170.7	204.9	239.0	273.2	307.3	341.5
8x 9	19.2	38.4	76.8	115.2	153.7	192.1	230.5	268.9	307.3	345.8	384.2
8x10	21.3	42.7	85.4	128.1	170.7	213.4	256.1	298.8	341.5	384.2	426.9
9x10	24.0	48.0	96.0	144.1	192.1	240.1	288.1	336.2	384.2	432.2	480.2
9x12	28.8	57.6	115.2	172.9	230.5	288.1	345.8	403.4	461.0	518.6	576.3
9x14	33.6	67.2	134.5	201.7	268.9	336.2	403.4	470.6	537.9	605.1	672.3
	½	1	2	3	4	5	6	7	8	9	10
10x10	26.7	53.4	106.7	160.1	213.4	266.8	320.2	373.5	426.9	480.2	533.6
10x12	32.0	64.0	128.1	192.1	256.1	320.2	384.2	448.2	512.2	576.3	640.3
10x14	37.3	74.7	149.4	224.1	298.8	373.5	448.2	522.9	597.6	672.3	747.0
10x16	42.7	85.4	170.7	256.1	341.5	426.9	512.2	597.6	683.0	768.4	853.8
10x18	48.0	96.0	192.1	288.1	384.2	480.2	576.3	672.3	768.4	864.4	960.5
10x20	53.4	106.7	213.4	320.2	426.9	533.6	640.3	747.0	853.8	960.5	1067.2
12x12	38.4	76.8	153.7	230.5	307.3	384.2	461.0	537.9	614.7	691.5	768.4
12x14	44.8	89.6	179.3	268.9	358.6	448.2	537.9	627.5	717.1	806.8	896.4
12x16	51.2	102.4	204.9	307.3	409.8	512.2	614.7	717.1	819.6	922.1	1024.5
	½	1	2	3	4	5	6	7	8	9	10
14x14	52.3	104.6	209.2	313.7	418.3	522.9	627.5	732.1	836.7	941.3	1045.8
14x16	59.8	119.5	239.0	358.6	478.1	597.6	717.1	836.7	956.2	1075.7	1195.3
14x18	67.2	134.5	268.9	403.4	537.9	672.3	806.8	941.3	1075.7	1210.2	1344.7
16x16	68.3	136.6	273.2	409.8	546.4	683.0	819.6	956.2	1092.8	1229.4	1366.0
16x18	76.8	153.7	307.3	461.0	614.7	768.4	922.1	1075.7	1229.4	1383.1	1536.8
16x20	85.8	170.7	341.5	512.2	683.0	853.8	1024.5	1195.3	1366.0	1536.8	1707.5
18x18	86.4	172.9	345.8	518.6	691.5	864.4	1037.3	1210.2	1383.1	1556.0	1728.9
18x20	96.0	192.1	384.2	576.3	768.4	960.5	1152.6	1344.7	1536.8	1728.9	1921.0
20x24	128.1	256.1	512.2	768.4	1024.5	1280.6	1536.8	1792.9	2049.0	2305.1	2561.3
24x24	153.7	307.3	614.7	922.1	1229.4	1536.8	1844.1	2151.5	2458.8	2766.2	3073.5
	½	1	2	3	4	5	6	7	8	9	10

# 40-LB. WHEAT

Page 2

## CHART NO. 2 CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	10.4	20.8	31.2	41.6	52.0	62.4	72.8	83.2		
6 ft.	15.0	29.9	44.9	59.9	74.9	89.9	104.8	119.8	134.8	149.8
7 ft.	20.4	40.8	61.2	81.6	102.0	122.3	142.7	163.1	183.5	204.0
8 ft.	26.6	53.3	79.9	106.5	133.2	159.8	186.5	213.1	239.7	266.4
9 ft.	33.7	67.4	101.1	134.9	168.5	202.3	236.0	270.0	303.4	337.1
10 ft.	41.6	83.2	124.9	166.5	208.1	249.7	291.3	333.0	374.6	416.2
12 ft.	59.9	119.8	179.8	239.7	299.7	359.6	419.5	479.4	539.4	599.4
14 ft.	81.6	163.1	244.7	326.3	407.9	489.4	571.0	652.6	734.2	815.7
15 ft.	93.6	187.3	280.9	374.6	468.2	561.9	655.5	749.2	842.8	936.5
16 ft.	106.5	213.1	319.6	426.2	532.7	639.3	745.8	852.3	958.9	1065.5
18 ft.	134.9	269.7	404.5	539.4	674.3	809.1	943.9	1078.8	1213.7	1348.5
20 ft.	166.5	333.0	499.4	665.9	832.4	998.9	1165.4	1331.9	1498.3	1664.8
24 ft.	239.7	479.4	719.2	958.9	1198.7	1438.4	1678.2	1917.9	2157.6	2397.3

## CHART NO. 3 CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	5.2	10.4	15.6	20.8						
6 ft.	7.5	15.0	22.5	29.9	37.5					
7 ft.	10.2	20.4	30.6	40.7	50.9	61.2				
8 ft.	13.3	26.6	39.9	53.3	66.6	79.9	93.2			
9 ft.	16.9	33.7	50.5	67.4	84.3	101.1	118.0	134.9		
10 ft.	20.8	41.6	62.4	83.2	104.0	124.9	145.7	166.5	187.3	
12 ft.	29.9	59.9	89.9	119.8	149.8	179.8	209.8	239.7	269.7	299.7
14 ft.	40.7	81.6	122.3	163.1	204.0	244.7	285.5	326.3	367.1	407.9
16 ft.	53.3	106.5	159.8	213.1	266.4	319.6	372.9	426.2	479.4	532.7
18 ft.	67.4	134.9	202.3	269.7	337.1	404.5	472.0	539.4	606.8	674.3
20 ft.	83.2	166.5	249.7	333.0	416.2	499.4	582.7	665.9	749.2	832.4
24 ft.	119.8	239.7	359.6	479.4	599.4	719.2	839.1	958.9	1078.8	1198.7

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	9.8	19.7	39.3	59.0	78.7	98.3	118.0	137.7	157.4	177.0	196.7
6x 7	11.5	22.9	45.9	68.8	91.8	114.7	137.7	160.6	183.6	206.5	229.5
6x 8	13.1	26.2	52.4	78.7	104.9	131.1	157.4	183.6	209.8	236.0	262.3
6x 9	14.7	29.5	59.0	88.5	118.0	147.5	177.0	206.5	236.0	265.5	295.0
6x10	16.4	32.8	65.6	98.3	131.1	163.9	196.7	229.5	262.3	295.0	327.8
7x 7	13.4	26.8	53.5	80.3	107.1	133.9	160.6	187.4	214.2	241.0	267.7
7x 8	15.3	30.6	61.2	91.8	122.4	153.0	183.6	214.2	244.8	275.4	306.0
7x 9	17.2	34.4	68.8	103.3	137.7	172.1	206.5	241.0	275.4	309.8	344.2
	½	1	2	3	4	5	6	7	8	9	10
7x10	19.1	38.2	76.5	114.7	153.0	191.2	229.5	267.7	306.0	344.2	382.5
8x 8	17.5	35.0	69.9	104.9	139.9	174.8	209.8	244.8	279.7	314.7	349.7
8x 9	19.7	39.3	78.7	118.0	157.4	196.7	236.0	275.4	314.7	354.1	393.4
8x10	21.8	43.7	87.4	131.1	174.8	218.6	262.3	306.0	349.7	393.4	437.1
9x10	24.6	49.2	98.3	147.5	196.7	245.9	295.0	344.2	393.4	442.6	491.8
9x12	29.5	59.0	118.0	177.0	236.0	295.0	354.1	413.1	472.1	531.1	590.1
9x14	34.4	68.8	137.7	206.5	275.4	344.2	413.1	481.9	550.8	619.6	688.5
	½	1	2	3	4	5	6	7	8	9	10
10x10	27.3	54.6	109.3	163.9	218.6	273.2	327.8	382.5	437.1	491.8	546.4
10x12	32.8	65.6	131.1	196.7	262.3	327.8	393.4	459.0	524.5	590.1	655.7
10x14	38.2	76.5	153.0	229.5	306.0	382.5	459.0	535.5	612.0	688.5	765.0
10x16	43.7	87.4	174.8	262.3	349.7	437.1	524.5	612.0	699.4	786.8	874.2
10x18	49.2	98.3	196.7	295.0	393.4	491.8	590.1	688.5	786.8	885.2	983.5
10x20	54.6	109.3	218.6	327.8	437.1	546.4	655.7	765.0	874.2	983.5	1092.8
12x12	39.3	78.7	157.4	236.0	314.7	393.4	472.1	550.8	629.4	708.1	786.8
12x14	45.9	91.8	183.6	275.4	367.2	459.0	550.8	642.6	734.4	826.1	917.9
12x16	52.4	104.9	209.8	314.7	419.6	524.5	629.4	734.4	839.3	944.2	1049.1
	½	1	2	3	4	5	6	7	8	9	10
14x14	53.5	107.1	214.2	321.3	428.4	535.5	642.6	749.7	856.7	963.8	1070.9
14x16	61.2	122.4	244.8	367.2	489.6	612.0	734.4	856.7	979.1	1101.5	1223.9
14x18	68.8	137.7	275.4	413.1	550.8	688.5	826.1	963.8	1101.5	1239.2	1376.9
16x16	69.9	139.9	279.7	419.6	559.5	699.4	839.3	979.1	1119.0	1258.9	1398.8
16x18	78.7	157.4	314.7	472.1	629.4	786.8	944.2	1101.5	1258.9	1416.3	1573.6
16x20	87.4	174.8	349.7	524.5	699.4	874.2	1049.1	1223.9	1398.8	1573.6	1748.5
18x18	88.5	177.0	354.1	531.1	708.1	885.2	1062.2	1239.2	1416.3	1593.3	1770.3
18x20	98.3	196.7	393.4	590.1	786.8	983.5	1180.2	1376.9	1573.6	1770.3	1967.0
20x24	131.1	262.3	524.5	786.8	1049.1	1311.4	1573.6	1835.9	2098.2	2360.4	2622.7
24x24	157.4	314.7	629.4	944.2	1258.9	1573.6	1888.3	2203.1	2517.8	2832.5	3147.3
	½	1	2	3	4	5	6	7	8	9	10

## CHART NO. 2 CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	10.6	21.3	32.0	42.6	53.3	63.9	74.6	85.2		
6 ft.	15.4	30.7	46.0	61.3	76.7	92.1	107.4	122.7	138.1	153.4
7 ft.	20.9	41.8	62.6	83.5	104.4	125.3	146.2	167.1	188.0	208.9
8 ft.	27.2	54.6	81.8	109.1	136.4	163.6	191.0	218.2	245.5	272.8
9 ft.	34.5	69.0	103.5	138.1	172.6	207.1	241.6	276.1	310.7	345.2
10 ft.	42.6	85.2	127.8	170.5	213.1	255.7	298.3	340.9	383.6	426.2
12 ft.	61.3	122.7	184.1	245.5	306.9	368.2	429.6	490.9	552.3	613.7
14 ft.	83.5	167.1	250.6	334.1	417.6	501.2	584.7	668.2	751.8	835.3
15 ft.	95.9	191.8	287.7	383.6	479.5	575.3	671.2	767.1	863.0	958.9
16 ft.	109.1	218.2	327.3	436.4	545.5	654.6	763.7	872.8	981.9	1091.0
18 ft.	138.1	276.2	414.2	552.3	690.4	828.5	966.6	1104.7	1242.8	1380.9
20 ft.	170.5	340.9	511.4	681.9	852.4	1022.9	1193.3	1363.8	1534.3	1704.8
24 ft.	245.5	490.9	736.5	981.9	1227.4	1472.9	1718.4	1963.9	2209.4	2454.8

## CHART NO. 3 CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	5.3	10.6	16.0	21.3						
6 ft.	7.6	15.4	23.0	30.7	38.4					
7 ft.	10.4	20.9	31.3	41.7	52.2	62.6				
8 ft.	13.7	27.2	40.9	54.6	68.2	81.8	95.5			
9 ft.	17.3	34.5	51.8	69.0	86.3	103.5	120.9	138.1		
10 ft.	21.3	42.6	63.9	85.2	106.5	127.8	149.2	170.5	191.8	
12 ft.	30.7	61.3	92.1	122.7	153.4	184.1	214.8	245.5	276.1	306.9
14 ft.	41.7	83.5	125.3	167.1	208.9	250.6	292.4	334.1	375.9	417.6
16 ft.	54.6	109.1	163.6	218.2	272.8	327.3	381.9	436.4	490.9	545.5
18 ft.	69.0	138.1	207.1	276.1	345.2	414.2	483.3	552.3	621.4	690.4
20 ft.	85.2	170.5	255.7	340.9	426.2	511.4	596.7	681.9	767.1	852.4
24 ft.	122.7	245.5	368.2	490.9	613.7	736.5	859.2	981.9	1104.7	1227.4

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	10.1	20.2	40.3	60.5	80.6	100.8	121.0	141.1	161.3	181.4	201.6
6x 7	11.8	23.5	47.0	70.6	94.1	117.6	141.1	164.6	188.2	211.7	235.2
6x 8	13.4	26.9	53.8	80.6	107.5	134.4	161.3	188.2	215.0	241.9	268.8
6x 9	15.1	30.2	60.5	90.7	121.0	151.2	181.4	211.7	241.9	272.2	302.4
6x10	16.8	33.6	67.2	100.8	134.4	168.0	201.6	235.2	268.8	302.4	336.0
7x 7	13.7	27.4	54.9	82.3	109.8	137.2	164.6	192.1	219.5	247.0	274.4
7x 8	15.7	31.4	62.7	94.1	125.4	156.8	188.2	219.5	250.9	282.2	313.6
7x 9	17.6	35.3	70.6	105.8	141.1	176.4	211.7	247.0	282.2	317.5	352.8
	½	1	2	3	4	5	6	7	8	9	10
7x10	19.6	39.2	78.4	117.6	156.8	196.0	235.2	274.4	313.6	352.8	392.0
8x 8	17.9	35.8	71.7	107.5	143.4	179.2	215.0	250.9	286.7	322.6	358.4
8x 9	20.2	40.3	80.6	121.0	161.3	201.6	241.9	282.2	322.6	362.9	403.2
8x10	22.4	44.8	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2	448.0
9x10	25.2	50.4	100.8	151.2	201.6	252.0	302.4	352.8	403.2	453.6	504.0
9x12	30.2	60.5	121.0	181.4	241.9	302.4	362.9	423.4	483.8	544.3	604.8
9x14	35.3	70.6	141.1	211.7	282.2	352.8	423.4	493.9	564.5	635.0	705.6
	½	1	2	3	4	5	6	7	8	9	10
10x10	28.0	56.0	112.0	168.0	224.0	280.0	336.0	392.0	448.0	504.0	560.0
10x12	33.6	67.2	134.4	201.6	268.8	336.0	403.2	470.4	537.6	604.8	672.0
10x14	39.2	78.4	156.8	235.2	313.6	392.0	470.4	548.8	627.2	705.6	784.0
10x16	44.8	89.6	179.2	268.8	358.4	448.0	537.6	627.2	716.8	806.4	896.0
10x18	50.4	100.8	201.6	302.4	403.2	504.0	604.8	705.6	806.4	907.2	1008.0
10x20	56.0	112.0	224.0	336.0	448.0	560.0	672.0	784.0	896.0	1008.0	1120.0
12x12	40.3	80.6	161.3	241.9	322.6	403.2	483.8	564.5	645.1	725.8	806.4
12x14	47.0	94.1	188.2	282.2	376.3	470.4	564.5	658.6	752.6	846.7	940.8
12x16	53.8	107.5	215.0	322.6	430.1	537.6	645.1	752.6	860.2	967.7	1075.2
	½	1	2	3	4	5	6	7	8	9	10
14x14	54.9	109.8	219.5	329.3	439.0	548.8	658.6	768.3	878.1	987.8	1097.6
14x16	62.7	125.4	250.9	376.3	501.8	627.2	752.6	878.1	1003.5	1129.0	1254.4
14x18	70.6	141.1	282.2	423.4	564.5	705.6	846.7	987.8	1129.0	1270.1	1411.2
16x16	71.7	143.4	286.7	430.1	573.4	716.8	860.2	1003.5	1146.9	1290.2	1433.6
16x18	80.6	161.3	322.6	483.8	645.1	806.4	967.7	1129.0	1290.2	1451.5	1612.8
16x20	89.6	179.2	358.4	537.6	716.8	896.0	1075.2	1254.4	1433.6	1612.8	1792.0
18x18	90.7	181.4	362.9	544.3	725.8	907.2	1088.6	1270.1	1451.5	1633.0	1814.4
18x20	100.8	201.6	403.2	604.8	806.4	1008.0	1209.6	1411.2	1612.8	1814.4	2016.0
20x24	134.4	268.8	537.6	806.4	1075.2	1344.0	1612.8	1881.6	2150.4	2419.2	2688.0
24x24	161.3	322.6	645.1	967.7	1290.2	1612.8	1935.4	2257.9	2580.5	2903.0	3225.6
	½	1	2	3	4	5	6	7	8	9	10



CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	10.9	21.8	32.8	43.7	54.6	65.5	76.4	87.4		
6 ft.	15.7	31.4	47.2	62.9	78.6	94.4	110.0	125.8	141.5	157.2
7 ft.	21.4	42.8	64.2	85.6	107.0	128.4	149.8	171.2	192.6	214.1
8 ft.	27.9	55.9	83.9	111.8	139.8	167.7	195.7	223.6	251.6	279.6
9 ft.	35.3	70.8	106.1	141.5	176.9	212.3	247.7	283.0	318.4	353.8
10 ft.	43.7	87.4	131.0	174.7	218.4	262.1	305.8	349.4	393.1	436.8
12 ft.	62.9	125.8	188.7	251.6	314.5	377.4	440.3	503.2	566.1	629.0
14 ft.	85.6	171.2	256.8	342.4	428.0	513.7	599.3	684.9	770.5	856.1
15 ft.	98.3	196.6	294.8	393.1	491.4	589.7	688.0	786.2	884.5	982.8
16 ft.	111.8	223.6	335.4	447.3	559.1	670.9	782.7	894.5	1006.4	1118.2
18 ft.	141.5	283.1	424.5	566.1	707.6	849.1	990.6	1132.2	1273.7	1415.3
20 ft.	174.7	349.4	524.2	698.9	873.6	1048.3	1223.0	1397.8	1572.5	1747.2
24 ft.	251.6	503.2	754.8	1006.4	1258.0	1509.5	1761.2	2012.8	2264.4	2515.9

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	5.5	10.9	16.4	21.8						
6 ft.	7.8	15.7	23.6	31.4	39.3					
7 ft.	10.7	21.4	32.1	42.8	53.5	64.2				
8 ft.	14.0	27.9	41.9	55.9	69.9	83.9	97.9			
9 ft.	17.7	35.3	53.1	70.8	88.5	106.1	123.9	141.5		
10 ft.	21.8	43.7	65.5	87.4	109.2	131.0	152.9	174.7	196.6	
12 ft.	31.4	62.9	94.4	125.8	157.2	188.7	220.1	251.6	283.0	314.5
14 ft.	42.8	85.6	128.4	171.2	214.1	256.8	299.7	342.4	385.3	428.0
16 ft.	55.9	111.8	167.7	223.6	279.6	335.4	391.4	447.3	503.2	559.1
18 ft.	70.8	141.5	212.3	283.0	353.8	424.5	495.3	566.1	636.9	707.6
20 ft.	87.4	174.7	262.1	349.4	436.8	524.2	611.5	698.9	786.2	873.6
24 ft.	125.8	251.6	377.4	503.2	629.0	754.8	880.6	1006.4	1132.2	1258.0

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	10.3	20.6	41.3	61.9	82.6	103.2	123.9	144.5	165.2	185.8	206.5
6x 7	12.0	24.1	48.2	72.3	96.4	120.4	144.5	168.6	192.7	216.8	240.9
6x 8	13.8	27.5	55.1	82.6	110.1	137.7	165.2	192.7	220.3	247.8	275.3
6x 9	15.5	31.0	61.9	92.9	123.9	154.9	185.8	216.8	247.8	278.8	309.7
6x10	17.2	34.4	68.8	103.2	137.7	172.1	206.5	240.9	275.3	309.7	344.2
7x 7	14.0	28.1	56.2	84.3	112.4	140.5	168.6	196.7	224.8	252.9	281.1
7x 8	16.1	32.1	64.2	96.4	128.5	160.6	192.7	224.8	257.0	289.1	321.2
7x 9	18.1	36.1	72.3	108.4	144.5	180.7	216.8	252.9	289.1	325.2	361.4
	½	1	2	3	4	5	6	7	8	9	10
7x10	20.1	40.1	80.3	120.4	160.6	200.8	240.9	281.1	321.2	361.4	401.5
8x 8	18.3	36.7	73.4	110.1	146.8	183.5	220.3	257.0	293.7	330.4	367.1
8x 9	20.6	41.3	82.6	123.9	165.2	206.5	247.8	289.1	330.4	371.7	413.0
8x10	22.9	45.9	91.8	137.7	183.5	229.4	275.3	321.2	367.1	413.0	458.9
9x10	25.8	51.6	103.2	154.9	206.5	258.1	309.7	361.4	413.0	464.6	516.2
9x12	31.0	61.9	123.9	185.8	247.8	309.7	371.7	433.6	495.6	557.5	619.5
9x14	36.1	72.3	144.5	216.8	289.1	361.4	433.6	505.9	578.2	650.5	722.7
	½	1	2	3	4	5	6	7	8	9	10
10x10	28.7	57.4	114.7	172.1	229.4	286.8	344.2	401.5	458.9	516.2	573.6
10x12	34.4	68.8	137.7	206.5	275.3	344.2	413.0	481.8	550.6	619.5	688.3
10x14	40.1	80.3	160.6	240.9	321.2	401.5	481.8	562.1	642.4	722.7	803.0
10x16	45.9	91.8	183.5	275.3	367.1	458.9	550.6	642.4	734.2	826.0	917.8
10x18	51.6	103.2	206.5	309.7	413.0	516.2	619.5	722.7	826.0	929.2	1032.5
10x20	57.4	114.7	229.4	344.2	458.9	573.6	688.3	803.0	917.8	1032.5	1147.2
12x12	41.3	82.6	165.2	247.8	330.4	413.0	495.6	578.2	660.8	743.4	826.0
12x14	48.2	96.4	192.7	289.1	385.4	481.8	578.2	674.5	770.9	867.3	963.6
12x16	55.1	110.1	220.3	330.4	440.5	550.6	660.8	770.9	881.0	991.2	1101.3
	½	1	2	3	4	5	6	7	8	9	10
14x14	56.2	112.4	224.8	337.3	449.7	562.1	674.5	787.0	899.4	1011.8	1124.2
14x16	64.2	128.5	257.0	385.4	513.9	642.4	770.9	899.4	1027.9	1156.4	1284.9
14x18	72.3	144.5	289.1	433.6	578.2	722.7	867.3	1011.8	1156.4	1300.9	1445.5
16x16	73.4	146.8	293.7	440.5	587.4	734.2	881.0	1027.9	1174.7	1321.6	1468.4
16x18	82.6	165.2	330.4	495.6	660.8	826.0	991.2	1156.4	1321.6	1486.8	1652.0
16x20	91.8	183.5	367.1	550.6	734.2	917.8	1101.3	1284.9	1468.4	1652.0	1835.5
18x18	92.9	185.8	371.7	557.5	743.4	929.2	1115.1	1300.9	1486.8	1672.6	1858.5
18x20	103.2	206.5	413.0	619.5	826.0	1032.5	1239.0	1445.5	1652.0	1858.5	2065.0
20x24	137.7	275.3	550.6	826.0	1101.3	1376.6	1652.0	1927.3	2202.6	2477.9	2753.3
24x24	165.2	330.4	660.8	991.2	1321.6	1652.0	1982.4	2312.7	2643.1	2973.5	3303.9
	½	1	2	3	4	5	6	7	8	9	10



# 43-LB. WHEAT

Page 8

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHEL					
5 ft.	11.2	22.4	33.5	44.7	55.9	67.1	78.3	89.5		
6 ft.	16.1	32.2	48.3	64.4	80.5	96.6	112.7	128.8	145.0	161.0
7 ft.	21.9	43.9	65.7	87.7	109.6	131.5	153.4	175.4	197.3	219.2
8 ft.	28.6	57.3	85.9	114.5	143.2	171.8	200.5	229.1	257.7	286.4
9 ft.	36.2	72.5	108.7	145.0	181.2	217.5	253.7	289.9	326.2	362.4
10 ft.	44.7	89.5	134.2	179.0	223.7	268.4	313.2	357.9	402.7	447.4
12 ft.	64.4	128.8	193.3	257.7	322.1	386.5	451.0	515.4	579.8	644.3
14 ft.	87.7	175.4	263.1	350.7	438.4	526.1	613.8	701.5	789.2	876.9
15 ft.	100.7	201.3	302.0	402.7	503.3	604.0	704.7	805.3	906.0	1006.7
16 ft.	114.5	229.1	343.6	458.2	572.7	687.2	801.7	916.2	1030.8	1145.3
18 ft.	145.0	289.9	434.9	579.8	724.8	869.7	1014.7	1159.7	1304.6	1449.6
20 ft.	179.0	357.9	536.9	715.8	894.8	1073.8	1252.7	1431.7	1610.7	1789.6
24 ft.	257.7	515.4	773.1	1030.8	1288.5	1546.2	1804.0	2061.7	2319.3	2577.0

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHEL					
5 ft.	5.6	11.2	16.8	22.4						
6 ft.	8.0	16.1	24.2	32.2	40.3					
7 ft.	11.0	21.9	32.9	43.8	54.8	65.7				
8 ft.	14.3	28.6	42.9	57.3	71.5	85.9	100.2			
9 ft.	18.1	36.2	54.3	72.5	90.6	108.7	126.9	145.0		
10 ft.	22.4	44.7	67.1	89.5	111.8	134.2	156.6	179.0	201.3	
12 ft.	32.2	64.4	96.6	128.8	161.0	193.3	225.5	257.7	289.9	322.1
14 ft.	43.8	87.7	131.5	175.4	219.2	263.1	306.9	350.7	394.6	438.4
16 ft.	57.3	114.5	171.8	229.1	286.4	343.6	400.9	458.2	515.4	572.7
18 ft.	72.5	145.0	217.5	289.9	362.4	434.9	507.3	579.8	652.3	724.8
20 ft.	89.5	179.0	268.4	357.9	447.4	536.9	626.4	715.8	805.3	894.8
24 ft.	128.8	257.7	386.5	515.4	644.3	773.1	902.0	1030.8	1159.7	1288.5

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft
Size of Granary	BUSHEL										
6x 6	10.5	21.1	42.2	63.3	84.4	105.5	126.7	147.8	168.9	190.0	211.1
6x 7	12.3	24.6	49.2	73.9	98.5	123.1	147.8	172.4	197.0	221.6	246.3
6x 8	14.1	28.1	56.3	84.4	112.6	140.7	168.9	197.0	225.2	253.3	281.5
6x 9	15.8	31.7	63.3	95.0	126.7	158.3	190.0	221.6	253.3	285.0	316.6
6x10	17.6	35.2	70.4	105.5	140.7	175.9	211.1	246.3	281.5	316.6	351.8
7x 7	14.4	28.7	57.5	86.2	114.9	143.7	172.4	201.1	229.9	258.6	287.3
7x 8	16.4	32.8	65.7	98.5	131.3	164.2	197.0	229.9	262.7	295.5	328.4
7x 9	18.5	36.9	73.9	110.8	147.8	184.7	221.6	258.6	295.5	332.5	369.4
	½	1	2	3	4	5	6	7	8	9	10
7x10	20.5	41.0	82.1	123.1	164.2	205.2	246.3	287.3	328.4	369.4	410.5
8x 8	18.8	37.5	75.0	112.6	150.1	187.6	225.2	262.7	300.2	337.8	375.3
8x 9	21.1	42.2	84.4	126.7	168.9	211.1	253.3	295.5	337.8	380.0	422.2
8x10	23.4	46.9	93.8	140.7	187.6	234.6	281.5	328.4	375.3	422.2	469.1
9x10	26.4	52.8	105.5	158.3	211.1	263.9	316.6	369.4	422.2	475.0	527.8
9x12	31.7	63.3	126.7	190.0	253.3	316.6	380.0	443.3	506.6	570.0	633.3
9x14	36.9	73.9	147.8	221.6	295.5	369.4	443.3	517.2	591.1	665.0	738.9
	½	1	2	3	4	5	6	7	8	9	10
10x10	29.3	58.6	117.3	175.9	234.6	293.2	351.8	410.5	469.1	527.8	586.4
10x12	35.2	70.4	140.7	211.1	281.5	351.8	422.2	492.6	562.9	633.3	703.7
10x14	41.0	82.1	164.2	246.3	328.4	410.5	492.6	574.7	656.8	738.9	821.0
10x16	46.9	93.8	187.6	281.5	375.3	469.1	562.9	656.8	750.6	844.4	938.2
10x18	52.8	105.5	211.1	316.6	422.2	527.8	633.3	738.9	844.4	950.0	1055.5
10x20	58.6	117.3	234.6	351.8	469.1	586.4	703.7	821.0	938.2	1055.5	1172.8
12x12	42.2	84.4	168.9	253.3	337.8	422.2	506.6	591.1	675.5	760.0	844.4
12x14	49.2	98.5	197.0	295.5	394.1	492.6	591.1	689.6	788.1	886.6	985.1
12x16	56.3	112.6	225.2	337.8	450.3	562.9	675.5	788.1	900.7	1013.3	1125.9
	½	1	2	3	4	5	6	7	8	9	10
14x14	57.5	114.9	229.9	344.8	459.7	574.7	689.6	804.5	919.5	1034.4	1149.3
14x16	65.7	131.3	262.7	394.1	525.4	656.8	788.1	919.5	1050.8	1182.2	1313.5
14x18	73.9	147.8	295.5	443.3	591.1	738.9	886.6	1034.4	1182.2	1329.9	1477.7
16x16	75.0	150.1	300.2	450.3	600.5	750.6	900.7	1050.8	1200.9	1351.1	1501.2
16x18	84.4	168.9	337.8	506.6	675.5	844.4	1013.3	1182.2	1351.1	1519.9	1688.8
16x20	93.8	187.6	375.3	562.9	750.6	938.2	1125.9	1313.5	1501.2	1688.8	1876.5
18x18	95.0	190.0	380.0	570.0	760.0	950.0	1140.0	1330.0	1520.0	1710.0	1890.0
18x20	105.5	211.1	422.2	633.3	844.4	1055.5	1267.0	1477.7	1688.8	1900.0	2111.0
20x24	140.7	281.5	562.9	844.4	1125.9	1407.4	1688.8	1970.3	2251.8	2533.2	2814.7
24x24	168.9	337.8	675.5	1013.3	1351.1	1688.8	2026.6	2364.4	2702.1	3039.9	3377.7
	½	1	2	3	4	5	6	7	8	9	10

## CHART NO. 2

## CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	11.4	22.9	34.3	45.7	57.2	68.6	80.0	91.5		
6 ft.	16.5	32.9	49.4	65.8	82.3	98.8	115.2	131.7	148.2	164.6
7 ft.	22.4	44.8	67.2	89.6	112.1	134.4	156.9	179.3	201.7	224.1
8 ft.	29.2	58.6	87.8	117.1	146.4	175.6	204.9	234.2	263.4	292.8
9 ft.	37.0	74.1	111.1	148.2	185.2	222.3	259.3	296.3	333.4	370.4
10 ft.	45.7	91.5	137.2	182.9	228.7	274.4	320.2	365.9	411.6	457.4
12 ft.	65.8	131.7	197.6	263.4	329.3	395.2	461.0	526.9	592.8	658.7
14 ft.	89.6	179.3	268.9	358.6	448.2	537.9	627.5	717.2	806.8	896.4
15 ft.	102.9	205.8	308.7	411.6	514.6	617.5	720.4	823.3	926.2	1029.1
16 ft.	117.1	234.2	351.2	468.4	585.4	702.6	819.6	936.7	1053.8	1170.9
18 ft.	148.2	296.4	444.6	592.8	741.0	889.1	1037.3	1185.5	1333.8	1482.0
20 ft.	182.9	365.9	548.9	731.8	914.8	1097.7	1280.7	1463.6	1646.6	1829.6
24 ft.	263.4	526.9	790.4	1053.8	1317.3	1580.7	1844.2	2107.7	2371.1	2634.5

## CHART NO. 3

## CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	5.7	11.4	17.1	22.9						
6 ft.	8.1	16.5	24.7	32.9	41.2					
7 ft.	11.2	22.4	33.6	44.8	56.0	67.2				
8 ft.	14.7	29.2	43.9	58.6	73.1	87.8	102.5			
9 ft.	18.5	37.0	55.6	74.1	92.6	111.1	129.7	148.2		
10 ft.	22.9	45.7	68.6	91.5	114.3	137.2	160.1	182.9	205.8	
12 ft.	32.9	65.8	98.8	131.7	164.6	197.6	230.5	263.4	296.3	329.3
14 ft.	44.8	89.6	134.4	179.3	224.1	268.9	313.8	358.6	403.4	448.2
16 ft.	58.6	117.1	175.6	234.2	292.8	351.2	409.8	468.4	526.9	585.4
18 ft.	74.1	148.2	222.3	296.3	370.4	444.6	518.7	592.8	666.9	741.0
20 ft.	91.5	182.9	274.4	365.9	457.4	548.9	640.3	731.8	823.3	914.8
24 ft.	131.7	263.4	395.2	526.9	658.7	790.4	922.1	1053.8	1185.5	1317.3

Depth Grain →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary					BUSHELS						
6x 6	10.8	21.6	43.2	64.8	86.4	108.0	129.6	151.2	172.8	194.4	216.0
6x 7	12.6	25.2	50.4	75.6	100.8	126.0	151.2	176.4	201.6	226.8	252.0
6x 8	14.4	28.8	57.6	86.4	115.2	144.0	172.8	201.6	230.4	259.2	288.0
6x 9	16.2	32.4	64.8	97.2	129.6	162.0	194.4	226.8	259.2	291.6	324.0
6x10	18.0	36.0	72.0	108.0	144.0	180.0	216.0	252.0	288.0	324.0	360.0
7x 7	14.7	29.4	58.8	88.2	117.6	147.0	176.4	205.8	235.2	264.6	294.0
7x 8	16.8	33.6	67.2	100.8	134.4	168.0	201.6	235.2	268.8	302.4	336.0
7x 9	18.9	37.8	75.6	113.4	151.2	189.0	226.8	264.6	302.4	340.2	378.0
	½	1	2	3	4	5	6	7	8	9	10
7x10	21.0	42.0	84.0	126.0	168.0	210.0	252.0	294.0	336.0	378.0	420.0
8x 8	19.2	38.4	76.8	115.2	153.6	192.0	230.4	268.8	307.2	345.6	384.0
8x 9	21.6	43.2	86.4	129.6	172.8	216.0	259.2	302.4	345.6	388.8	432.0
8x10	24.0	48.0	96.0	144.0	192.0	240.0	288.0	336.0	384.0	432.0	480.0
9x10	27.0	54.0	108.0	162.0	216.0	270.0	324.0	378.0	432.0	486.0	540.0
9x12	32.4	64.8	129.6	194.4	259.2	324.0	388.8	453.6	518.4	583.2	648.0
9x14	37.8	75.6	151.2	226.8	302.4	378.0	453.6	529.2	604.8	680.4	756.0
	½	1	2	3	4	5	6	7	8	9	10
10x10	30.0	60.0	120.0	180.0	240.0	300.0	360.0	420.0	480.0	540.0	600.0
10x12	36.0	72.0	144.0	216.0	288.0	360.0	432.0	504.0	576.0	648.0	720.0
10x14	42.0	84.0	168.0	252.0	336.0	420.0	504.0	588.0	672.0	756.0	840.0
10x16	48.0	96.0	192.0	288.0	384.0	480.0	576.0	672.0	768.0	864.0	960.0
10x18	54.0	108.0	216.0	324.0	432.0	540.0	648.0	756.0	864.0	972.0	1080.0
10x20	60.0	120.0	240.0	360.0	480.0	600.0	720.0	840.0	960.0	1080.0	1200.0
12x12	43.2	86.4	172.8	259.2	345.6	432.0	518.4	604.8	691.2	777.6	864.0
12x14	50.4	100.8	201.6	302.4	403.2	504.0	604.8	705.6	806.4	907.2	1008.0
12x16	57.6	115.2	230.4	345.6	460.8	576.0	691.2	806.4	921.6	1036.8	1152.0
	½	1	2	3	4	5	6	7	8	9	10
14x14	58.8	117.6	235.2	352.8	470.4	588.0	705.6	823.2	940.8	1058.4	1176.0
14x16	67.2	134.4	268.8	403.2	537.6	672.0	806.4	940.8	1075.2	1209.6	1344.0
14x18	75.6	151.2	302.4	453.6	604.8	756.0	907.2	1058.4	1209.6	1360.8	1512.0
16x16	76.8	153.6	307.2	460.8	614.4	768.0	921.6	1075.2	1228.8	1382.4	1536.0
16x18	86.4	172.8	345.6	518.4	691.2	864.0	1036.8	1209.6	1382.4	1555.2	1728.0
16x20	96.0	192.0	384.0	576.0	768.0	960.0	1152.0	1344.0	1536.0	1728.0	1920.0
18x18	97.2	194.4	388.8	583.2	777.6	972.0	1166.4	1360.8	1555.2	1749.6	1944.0
18x20	108.0	216.0	432.0	648.0	864.0	1080.0	1296.0	1512.0	1728.0	1944.0	2160.0
20x24	144.0	288.0	576.0	864.0	1152.0	1440.0	1728.0	2016.0	2304.0	2592.0	2880.0
24x24	172.8	345.6	691.2	1036.8	1382.4	1728.0	2073.6	2419.2	2764.8	3110.4	3456.0
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	11.7	23.4	35.1	46.8	58.5	70.2	81.9	93.6		
6 ft.	16.9	33.7	50.5	67.3	84.2	101.1	117.9	134.8	151.6	168.4
7 ft.	22.9	45.9	68.8	91.7	114.7	137.5	160.5	183.4	206.4	229.3
8 ft.	29.9	59.9	89.8	119.8	149.8	179.7	209.7	239.6	269.5	299.5
9 ft.	37.9	75.8	113.7	151.6	189.5	227.5	265.3	303.2	341.2	379.0
10 ft.	46.8	93.6	140.4	187.2	234.0	280.8	327.6	374.4	421.2	468.0
12 ft.	67.3	134.8	202.2	269.5	337.0	404.3	471.7	539.1	606.5	673.9
14 ft.	91.7	183.4	275.2	366.9	458.6	550.3	642.1	733.8	825.5	917.2
15 ft.	105.3	210.6	315.9	421.2	526.5	631.8	737.1	842.4	947.7	1053.0
16 ft.	119.8	239.6	359.4	479.2	599.0	718.9	838.6	958.4	1078.3	1198.0
18 ft.	151.6	303.3	454.9	606.5	758.2	909.7	1061.4	1213.0	1364.7	1516.3
20 ft.	187.2	374.4	561.6	748.8	936.0	1123.2	1310.4	1497.6	1684.8	1872.0
24 ft.	269.5	539.1	808.7	1078.3	1347.8	1617.4	1887.0	2156.5	2426.1	2695.6

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	5.8	11.7	17.5	23.4						
6 ft.	8.4	16.9	25.3	33.7	42.1					
7 ft.	11.5	22.9	34.4	45.8	57.3	68.8				
8 ft.	15.0	29.9	44.9	59.9	74.8	89.8	104.8			
9 ft.	19.0	37.9	56.8	75.8	94.8	113.7	132.7	151.6		
10 ft.	23.4	46.8	70.2	93.6	117.0	140.4	163.8	187.2	210.6	
12 ft.	33.7	67.3	101.1	134.8	168.4	202.2	235.9	269.5	303.2	337.0
14 ft.	45.8	91.7	137.5	183.4	229.3	275.2	321.1	366.9	412.8	458.6
16 ft.	59.9	119.8	179.7	239.6	299.5	359.4	419.3	479.2	539.1	599.0
18 ft.	75.8	151.6	227.5	303.2	379.0	454.9	530.7	606.5	682.3	758.2
20 ft.	93.6	187.2	280.8	374.4	468.0	561.6	655.2	748.8	842.4	936.0
24 ft.	134.8	269.5	404.3	539.1	673.9	808.7	943.5	1078.3	1213.0	1347.8

Grain Depth	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	11.0	22.1	44.2	66.3	88.3	110.4	132.5	154.6	176.7	198.8	220.9
6x 7	12.9	25.8	51.5	77.3	103.1	128.8	154.6	180.4	206.2	231.9	257.7
6x 8	14.7	29.4	58.9	88.3	117.8	147.3	176.7	206.2	235.6	265.1	294.5
6x 9	16.6	33.1	66.3	99.4	132.5	165.7	198.8	231.9	265.1	298.2	331.3
6x10	18.4	36.8	73.6	110.4	147.3	184.1	220.9	257.7	294.5	331.3	368.2
7x 7	15.0	30.1	60.1	90.2	120.3	150.3	180.4	210.5	240.5	270.6	300.7
7x 8	17.2	34.4	68.7	103.1	137.4	171.8	206.2	240.5	274.9	309.2	343.6
7x 9	19.3	38.6	77.3	116.0	154.6	193.3	231.9	270.6	309.2	347.9	386.6
	½	1	2	3	4	5	6	7	8	9	10
7x10	21.5	42.9	85.9	128.8	171.8	214.8	257.7	300.7	343.6	386.6	429.5
8x 8	19.6	39.3	78.5	117.8	157.1	196.3	235.6	274.9	314.2	353.4	392.7
8x 9	22.1	44.2	88.3	132.5	176.7	220.9	265.1	309.2	353.4	397.6	441.8
8x10	24.5	49.1	98.2	147.3	196.4	245.4	294.5	343.6	392.7	441.8	490.9
9x16	27.6	55.2	110.4	165.7	220.9	276.1	331.3	386.6	441.8	497.0	552.2
9x12	33.1	66.3	132.5	198.8	265.1	331.3	397.6	463.9	530.2	596.4	662.7
9x14	38.7	77.3	154.6	321.9	309.2	386.6	463.9	541.2	618.5	695.8	773.1
	½	1	2	3	4	5	6	7	8	9	10
10x10	30.7	61.4	122.7	184.1	245.4	306.8	368.2	429.5	490.9	552.2	613.6
10x12	36.8	73.6	147.3	220.9	294.5	368.2	441.8	515.4	589.1	662.7	736.3
10x14	42.9	85.9	171.8	257.7	343.6	429.5	515.4	601.3	687.2	773.1	859.0
10x16	49.1	98.2	196.3	294.5	392.7	490.9	589.0	687.2	785.4	883.6	981.8
10x18	55.2	110.4	220.9	331.3	441.8	552.2	662.7	773.1	883.6	994.0	1104.5
10x20	61.4	122.7	245.4	368.2	490.9	613.6	736.3	859.0	981.8	1104.5	1227.2
12x12	44.2	88.4	176.7	265.1	353.4	441.8	530.2	618.5	706.9	795.2	883.6
12x14	51.5	103.1	206.2	309.3	412.3	515.4	618.5	721.6	824.7	927.8	1030.8
12x16	58.9	117.8	235.6	353.4	471.2	589.1	706.9	824.7	942.5	1060.3	1178.1
	½	1	2	3	4	5	6	7	8	9	10
14x14	60.1	120.3	240.5	360.8	481.1	601.3	721.6	841.9	962.1	1082.4	1202.7
14x16	68.7	137.4	274.9	412.3	549.8	687.2	824.7	962.1	1099.6	1237.0	1374.5
14x18	77.3	154.6	309.3	463.9	618.5	773.1	927.8	1082.4	1237.0	1391.6	1546.3
16x16	78.5	157.1	314.2	471.2	628.3	785.4	942.5	1099.6	1256.7	1413.7	1570.8
16x18	88.4	176.7	353.4	530.2	706.9	883.6	1060.3	1237.0	1413.7	1590.5	1767.2
16x20	98.2	196.4	392.7	589.0	785.4	981.8	1178.1	1374.5	1570.8	1767.2	1963.5
18x18	99.4	198.8	397.6	596.4	795.2	994.0	1192.8	1391.6	1590.4	1789.2	1988.1
18x20	110.4	220.9	441.8	662.7	883.6	1104.5	1325.4	1546.3	1767.2	1988.1	2209.0
20x24	147.3	294.5	589.0	883.6	1178.1	1472.6	1767.2	2061.7	2356.2	2650.7	2945.3
24x24	176.7	353.4	706.9	1060.3	1413.7	1767.2	2120.6	2474.0	2827.5	3180.9	3534.3
	½	1	2	3	4	5	6	7	8	9	10



## CHART NO. 2

## CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	12.0	23.9	35.9	47.9	59.8	71.8	83.7	95.7		
6 ft.	17.2	34.4	51.7	68.9	86.1	103.4	120.6	137.8	155.1	172.3
7 ft.	23.5	46.9	70.3	93.8	117.3	140.7	164.1	187.6	211.1	234.5
8 ft.	30.6	61.3	91.9	122.5	153.2	183.8	214.4	245.0	275.7	306.3
9 ft.	38.7	77.5	116.3	155.1	193.8	232.6	271.4	310.1	348.9	387.6
10 ft.	47.9	95.7	143.6	191.4	239.3	287.2	335.0	382.9	430.7	478.6
12 ft.	68.9	137.8	206.8	275.6	344.6	413.5	482.4	551.3	620.3	689.2
14 ft.	93.8	187.6	281.4	375.2	469.0	562.8	656.6	750.4	844.2	938.0
15 ft.	107.7	215.4	323.1	430.7	538.4	646.1	753.8	861.5	969.2	1076.9
16 ft.	122.5	245.1	367.5	490.1	612.6	735.2	857.6	980.1	1102.7	1225.2
18 ft.	155.1	310.2	465.2	620.3	775.4	930.4	1085.4	1240.5	1395.6	1550.7
20 ft.	191.4	382.9	574.3	765.8	957.2	1148.6	1340.1	1531.5	1723.0	1914.4
24 ft.	275.6	551.3	827.0	1102.7	1378.4	1654.0	1929.8	2205.4	2481.1	2756.7

## CHART NO. 3

## CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	6.0	12.0	17.9	23.9						
6 ft.	8.6	17.3	25.8	34.4	43.1					
7 ft.	11.7	23.5	35.2	46.9	58.6	70.3				
8 ft.	15.3	30.6	45.9	61.3	76.5	91.9	107.2			
9 ft.	19.4	38.7	58.1	77.5	96.9	116.3	135.7	155.1		
10 ft.	23.9	47.9	71.8	95.7	119.6	143.6	167.5	191.4	215.4	
12 ft.	34.4	68.9	103.4	137.8	172.3	206.8	241.2	275.6	310.1	344.6
14 ft.	46.9	93.8	140.7	187.6	234.5	281.4	328.3	375.2	422.1	469.0
16 ft.	61.3	122.5	183.8	245.0	306.3	367.5	428.8	490.1	551.3	612.6
18 ft.	77.5	155.1	232.6	310.1	387.6	465.2	542.7	620.3	697.8	775.4
20 ft.	95.7	191.4	287.2	382.9	478.6	574.3	670.0	765.8	861.5	957.2
24 ft.	137.8	275.6	413.5	551.3	689.2	827.0	964.9	1102.7	1240.5	1378.4

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	11.3	22.6	45.1	67.7	90.2	112.8	135.4	157.9	180.5	203.0	225.6
6x 7	13.2	26.3	52.6	79.0	105.3	131.6	157.9	184.2	210.6	236.9	263.2
6x 8	15.0	30.1	60.2	90.2	120.3	150.4	180.5	210.6	240.6	270.7	300.8
6x 9	16.9	33.8	67.7	101.5	135.4	169.2	203.0	236.9	270.7	304.6	338.4
6x10	18.8	37.6	75.2	112.8	150.4	188.0	225.6	263.2	300.8	338.4	376.0
7x 7	15.3	30.7	61.4	92.1	122.8	153.5	184.2	214.9	245.6	276.4	307.1
7x 8	17.5	35.1	70.2	105.3	140.4	175.5	210.6	245.6	280.7	315.8	350.9
7x 9	19.7	39.5	79.0	118.4	157.9	197.4	236.9	276.4	315.8	355.3	394.8
	½	1	2	3	4	5	6	7	8	9	10
7x10	21.9	43.9	87.7	131.6	175.5	219.3	263.2	307.1	350.9	394.8	438.7
8x 8	20.0	40.1	80.2	120.3	160.4	200.5	240.6	280.7	320.8	361.0	401.1
8x 9	22.6	45.1	90.2	135.4	180.5	225.6	270.7	315.8	361.0	406.1	451.2
8x10	25.1	50.1	100.3	150.4	200.5	250.7	300.8	350.9	401.1	451.2	501.3
9x10	28.2	56.4	112.8	169.2	225.6	282.0	338.4	394.8	451.2	507.6	564.0
9x12	33.8	67.7	135.4	203.0	270.7	338.4	406.1	473.8	541.4	609.1	676.8
9x14	39.5	79.0	157.9	236.9	315.8	394.8	473.8	552.7	631.7	710.6	789.6
	½	1	2	3	4	5	6	7	8	9	10
10x10	31.3	62.7	125.3	188.0	250.7	313.3	376.0	438.7	501.3	564.0	626.7
10x12	37.6	75.2	150.4	225.6	300.8	376.0	451.2	526.4	601.6	676.8	752.0
10x14	43.9	87.7	175.5	263.2	350.9	438.7	526.4	614.1	701.9	789.6	877.3
10x16	50.1	100.3	200.5	300.8	401.1	501.3	601.6	701.9	802.1	902.4	1002.7
10x18	56.4	112.8	225.6	338.4	451.2	564.0	676.8	789.6	902.4	1015.2	1128.0
10x20	62.7	125.3	250.7	376.0	501.3	626.7	752.0	877.3	1002.7	1128.0	1253.3
12x12	45.1	90.2	180.5	270.7	361.0	451.2	541.4	631.7	721.9	812.2	902.4
12x14	52.6	105.3	210.6	315.8	421.1	526.4	631.7	737.0	842.2	947.5	1052.8
12x16	60.2	120.3	240.6	361.0	481.3	601.6	721.9	842.2	962.6	1082.9	1203.2
	½	1	2	3	4	5	6	7	8	9	10
14x14	61.4	122.8	245.6	368.5	491.3	614.1	737.0	859.8	982.6	1105.4	1228.3
14x16	70.2	140.4	280.7	421.1	561.5	701.9	842.2	982.6	1123.0	1263.4	1403.7
14x18	79.0	157.9	315.8	473.8	631.7	789.6	947.5	1105.4	1263.4	1421.3	1579.2
16x16	80.2	160.4	320.8	481.3	641.7	802.1	962.6	1123.0	1283.4	1443.8	1604.3
16x18	90.2	180.5	361.0	541.4	721.9	902.4	1082.9	1263.4	1443.8	1624.3	1804.8
16x20	100.3	200.5	401.1	601.6	802.1	1002.7	1203.2	1403.7	1604.3	1804.8	2005.3
18x18	101.5	203.0	406.1	609.1	812.2	1015.2	1218.2	1421.3	1624.3	1827.4	2030.4
18x20	112.8	225.6	451.2	676.8	902.4	1128.0	1353.6	1579.2	1804.8	2030.4	2256.0
20x24	150.4	300.8	601.6	902.4	1203.2	1504.0	1804.8	2105.6	2406.4	2707.2	3008.0
24x24	180.5	361.0	721.9	1082.9	1443.8	1804.8	2165.8	2526.7	2887.7	3248.6	3609.6
	½	1	2	3	4	5	6	7	8	9	10

## CHART NO. 2

## CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	12.2	24.4	36.7	48.9	61.1	73.3	85.5	97.8		
6 ft.	17.6	35.2	52.8	70.3	88.0	105.6	123.1	140.8	158.4	175.9
7 ft.	24.0	47.9	71.8	95.8	119.8	143.7	167.6	191.6	215.6	239.5
8 ft.	31.2	62.6	93.8	125.1	156.4	187.7	219.0	250.3	281.5	312.9
9 ft.	39.6	79.2	118.7	158.4	197.9	237.6	277.1	316.7	356.3	395.9
10 ft.	48.9	97.8	146.6	195.5	244.4	293.3	342.2	391.0	439.9	488.8
12 ft.	70.3	140.8	211.2	281.5	351.9	422.3	492.7	563.1	633.5	703.9
14 ft.	95.8	191.6	287.4	383.2	479.0	574.8	670.6	766.4	862.2	958.0
15 ft.	110.0	220.0	329.9	439.9	549.9	659.9	769.9	879.8	989.8	1099.8
16 ft.	125.1	250.3	375.4	500.5	625.6	750.8	875.9	1001.0	1126.2	1251.3
18 ft.	158.4	316.8	475.1	633.5	791.9	950.2	1108.6	1267.0	1425.3	1583.7
20 ft.	195.5	391.0	586.6	782.1	977.6	1173.1	1368.6	1564.2	1759.7	1955.2
24 ft.	281.5	563.1	844.7	1126.2	1407.7	1689.2	1970.9	2252.4	2533.9	2815.4

## CHART NO. 3

## CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	6.1	12.2	18.3	24.4						
6 ft.	8.8	17.6	26.4	35.2	44.0					
7 ft.	12.0	24.0	35.9	47.9	59.8	71.8				
8 ft.	15.6	31.3	46.9	62.6	78.2	93.8	109.5			
9 ft.	19.8	39.6	59.4	79.2	99.0	118.7	138.6	158.4		
10 ft.	24.4	48.9	73.3	97.8	122.2	146.6	171.1	195.5	220.0	
12 ft.	35.2	70.3	105.6	140.8	175.9	211.2	246.3	281.5	316.7	351.9
14 ft.	47.9	95.8	143.7	191.6	239.5	287.4	335.3	383.2	431.1	479.0
16 ft.	62.6	125.1	187.7	250.3	312.9	375.4	438.0	500.5	563.1	625.6
18 ft.	79.2	158.4	237.6	316.7	395.9	475.1	554.3	633.5	712.7	791.9
20 ft.	97.8	195.5	293.3	391.0	488.8	586.6	684.3	782.1	879.8	977.6
24 ft.	140.8	281.5	422.3	563.1	703.9	844.7	985.4	1126.2	1267.0	1407.7

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	11.5	23.0	46.1	69.1	92.2	115.2	138.2	161.3	184.3	207.4	230.4
6x 7	13.4	26.9	53.8	80.6	107.5	134.4	161.3	188.2	215.0	241.9	268.8
6x 8	15.4	30.7	61.4	92.2	122.9	153.6	184.3	215.0	245.8	276.5	307.2
6x 9	17.3	34.6	69.1	103.7	138.2	172.8	207.4	241.9	276.5	311.0	345.6
6x10	19.2	38.4	76.8	115.2	153.6	192.0	230.4	268.8	307.2	345.6	384.0
7x 7	15.7	31.4	62.7	94.1	125.4	156.8	188.2	219.5	250.9	282.2	313.6
7x 8	17.9	35.8	71.7	107.5	143.4	179.2	215.0	250.9	286.7	322.6	358.4
7x 9	20.2	40.3	80.6	121.0	161.3	201.6	241.9	282.2	322.6	362.9	403.2
	½	1	2	3	4	5	6	7	8	9	10
7x10	22.4	44.8	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2	448.0
8x 8	20.5	41.0	81.9	122.9	163.8	204.8	245.8	286.7	327.7	368.6	409.6
8x 9	23.0	46.1	92.2	138.2	184.3	230.4	276.5	322.6	368.6	414.7	460.8
8x10	25.6	51.2	102.4	153.6	204.8	256.0	307.2	358.4	409.6	460.8	512.0
9x10	28.8	57.6	115.2	172.8	230.4	288.0	345.6	403.2	460.8	518.4	576.0
9x12	34.6	69.1	138.2	207.4	276.5	345.6	414.7	483.8	553.0	622.1	691.2
9x14	40.3	80.6	161.3	241.9	322.6	403.2	483.8	564.5	645.1	725.8	806.4
	½	1	2	3	4	5	6	7	8	9	10
10x10	32.0	64.0	128.0	192.0	256.0	320.0	384.0	448.0	512.0	576.0	640.0
10x12	38.4	76.8	153.6	230.4	307.2	384.0	460.8	537.6	614.4	691.2	768.0
10x14	44.8	89.6	179.2	268.8	358.4	448.0	537.6	627.2	716.8	806.4	896.0
10x16	51.2	102.4	204.8	307.2	409.6	512.0	614.4	716.8	819.2	921.6	1024.0
10x18	57.6	115.2	230.4	345.6	460.8	576.0	691.2	806.4	921.6	1036.8	1152.0
10x20	64.0	128.0	256.0	384.0	512.0	640.0	768.0	896.0	1024.0	1152.0	1280.0
12x12	46.1	92.2	184.3	276.5	368.6	460.8	553.0	645.1	737.3	829.4	921.6
12x14	53.8	107.5	215.0	322.6	430.1	537.6	645.1	752.6	860.2	967.7	1075.2
12x16	61.4	122.9	245.8	368.6	491.5	614.4	737.3	860.2	983.0	1105.9	1228.8
	½	1	2	3	4	5	6	7	8	9	10
14x14	62.7	125.4	250.9	376.3	501.8	627.2	752.6	878.1	1003.5	1129.0	1254.4
14x16	71.7	143.4	286.7	430.1	573.4	716.8	860.2	1003.5	1146.9	1290.2	1433.6
14x18	80.6	161.3	322.6	483.8	645.1	806.4	967.7	1129.0	1290.2	1451.5	1612.8
16x16	81.9	163.8	327.7	491.5	655.4	819.2	983.0	1146.9	1310.7	1474.6	1638.4
16x18	92.2	184.3	368.6	553.0	737.3	921.6	1105.9	1290.2	1474.6	1658.9	1843.2
16x20	102.4	204.8	409.6	614.4	819.2	1024.0	1228.8	1433.6	1638.4	1843.2	2048.0
18x18	103.7	207.4	414.7	622.1	829.4	1036.8	1244.2	1451.5	1658.9	1866.2	2073.6
18x20	115.2	230.4	460.8	691.2	921.6	1152.0	1382.4	1612.8	1843.2	2073.6	2304.0
20x24	153.6	307.2	614.4	921.6	1228.8	1536.0	1843.2	2150.4	2457.6	2764.8	3072.0
24x24	184.3	368.6	737.3	1105.9	1474.6	1843.2	2211.8	2580.5	2949.1	3317.8	3686.4
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	12.5	25.0	37.4	49.9	62.4	74.9	87.4			
6 ft.	18.0	35.9	53.9	71.8	89.8	107.8	125.8	143.8	161.8	179.7
7 ft.	24.5	49.0	73.4	97.8	122.3	146.7	171.2	195.7	220.2	244.6
8 ft.	31.9	63.9	95.8	127.8	159.8	191.7	223.7	255.6	287.5	319.5
9 ft.	40.4	80.9	121.3	161.8	202.2	242.6	283.0	323.4	363.9	404.3
10 ft.	49.9	99.8	149.8	199.7	249.6	299.5	349.4	399.4	449.3	499.2
12 ft.	71.8	143.8	215.7	287.5	359.4	431.3	503.2	575.0	647.0	718.9
14 ft.	97.8	195.7	293.5	391.4	489.2	587.0	684.9	782.7	880.6	978.4
15 ft.	112.3	224.6	337.0	449.3	561.6	673.9	786.2	898.6	1010.9	1123.2
16 ft.	127.8	255.6	383.4	511.2	639.0	766.8	894.6	1022.3	1150.2	1277.9
18 ft.	161.8	323.5	485.2	647.0	808.7	970.4	1132.2	1293.9	1455.7	1617.4
20 ft.	199.7	399.4	599.0	798.7	998.4	1198.1	1397.8	1597.4	1797.1	1996.8
24 ft.	287.5	575.0	862.6	1150.2	1437.7	1725.2	2012.8	2300.3	2587.8	2875.4

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	6.2	12.5	18.7	25.0						
6 ft.	9.0	18.0	27.0	35.9	45.0					
7 ft.	12.2	24.5	36.7	48.9	61.1	73.4				
8 ft.	16.0	31.9	47.9	63.9	79.8	95.8	111.8			
9 ft.	20.2	40.4	60.6	80.9	101.1	121.3	141.6	161.8		
10 ft.	25.0	49.9	74.9	99.8	124.8	149.8	174.7	199.7	224.6	
12 ft.	35.9	71.8	107.8	143.8	179.7	215.7	251.6	287.5	323.4	359.4
14 ft.	48.9	97.8	146.7	195.7	244.6	293.5	342.5	391.4	440.3	489.2
16 ft.	63.9	127.8	191.7	255.6	319.5	383.4	447.3	511.2	575.0	639.0
18 ft.	80.9	161.8	242.6	323.4	404.3	485.2	566.1	647.0	727.8	808.7
20 ft.	99.8	199.7	299.5	399.4	499.2	599.0	698.9	798.7	898.6	998.4
24 ft.	143.8	287.5	431.3	575.0	718.9	862.6	1006.4	1150.2	1293.9	1437.7

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	11.8	23.5	47.0	70.6	94.1	117.6	141.1	164.6	188.2	211.7	235.2
6x 7	13.7	27.4	54.9	82.3	109.8	137.2	164.6	192.1	219.5	247.0	274.4
6x 8	15.7	31.4	62.7	94.1	125.4	156.8	188.2	219.5	250.9	282.2	313.6
6x 9	17.6	35.3	70.6	105.8	141.1	176.4	211.7	247.0	282.2	317.5	352.8
6x10	19.6	39.2	78.4	117.6	156.8	196.0	235.2	274.4	313.6	352.8	392.0
7x 7	16.0	32.0	64.0	96.0	128.0	160.0	192.1	224.1	256.1	288.1	320.1
7x 8	18.3	36.6	73.2	109.8	146.3	182.9	219.5	256.1	292.7	329.3	365.9
7x 9	20.6	41.2	82.3	123.5	164.6	205.8	247.0	288.1	329.3	370.4	411.6
	½	1	2	3	4	5	6	7	8	9	10
7x10	22.9	45.7	91.5	137.2	182.9	228.7	274.4	320.1	365.9	411.6	457.3
8x 8	20.9	41.8	83.6	125.4	167.2	209.1	250.9	292.7	334.5	376.3	418.1
8x 9	23.5	47.0	94.1	141.1	188.2	235.2	282.2	329.3	376.3	423.4	470.4
8x10	26.1	52.2	104.5	156.8	209.1	261.3	313.6	365.9	418.1	470.4	522.7
9x10	29.4	58.8	117.6	176.4	235.2	294.0	352.8	411.6	470.4	529.2	588.0
9x12	35.3	70.6	141.1	211.7	282.2	352.8	423.4	493.9	564.5	635.0	705.6
9x14	41.2	82.3	164.6	247.0	329.3	411.6	493.9	576.2	658.6	740.9	823.2
	½	1	2	3	4	5	6	7	8	9	10
10x10	32.7	65.3	130.7	196.0	261.3	326.7	392.0	457.3	522.7	588.0	653.3
10x12	39.2	78.4	156.8	235.2	313.6	392.0	470.4	548.8	627.2	705.6	784.0
10x14	45.7	91.5	182.9	274.4	365.9	457.3	548.8	640.3	731.7	823.2	914.7
10x16	52.3	104.5	209.1	313.6	418.1	522.7	627.2	731.7	836.3	940.8	1045.3
10x18	58.8	117.6	235.2	352.8	470.4	588.0	705.6	823.2	940.8	1058.4	1176.0
10x20	65.3	130.7	261.3	392.0	522.7	653.3	784.0	914.7	1045.3	1176.0	1306.7
12x12	47.0	94.1	188.2	282.2	376.3	470.4	564.5	658.6	752.6	846.7	940.8
12x14	54.9	109.8	219.5	329.3	439.0	548.8	658.6	768.3	878.1	987.8	1097.6
12x16	62.7	125.4	250.9	376.3	501.8	627.2	752.6	878.1	1003.5	1129.0	1254.4
	½	1	2	3	4	5	6	7	8	9	10
14x14	64.0	128.0	256.1	384.2	512.2	640.3	768.3	896.4	1024.4	1152.5	1280.5
14x16	73.2	146.3	292.7	439.0	585.4	731.7	878.1	1024.4	1170.8	1317.1	1463.5
14x18	82.3	164.6	329.3	493.9	658.6	823.2	987.8	1152.5	1317.1	1481.8	1646.4
16x16	83.6	167.2	334.5	501.8	669.0	836.3	1003.5	1170.8	1338.0	1505.3	1672.5
16x18	94.1	188.2	376.3	564.5	752.6	940.8	1129.0	1317.1	1505.3	1693.4	1881.6
16x20	104.5	209.1	418.1	627.2	836.3	1045.3	1254.4	1463.5	1672.5	1881.6	2090.7
18x18	105.8	211.7	423.4	635.0	846.7	1058.4	1270.1	1481.8	1693.4	1905.1	2116.8
18x20	117.6	235.2	470.4	705.6	940.8	1176.0	1411.2	1646.4	1881.6	2116.8	2352.0
20x24	156.8	313.6	627.2	940.8	1254.4	1568.0	1881.6	2195.2	2508.8	2822.4	3136.0
24x24	188.2	376.3	752.6	1129.0	1505.3	1881.6	2257.9	2634.2	3010.6	3386.9	3763.2
	½	1	2	3	4	5	6	7	8	9	10



## CHART NO. 2

## CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	12.7	25.5	38.2	51.0	63.7	76.4	89.2	101.9		
6 ft.	18.4	36.7	55.0	73.3	91.7	110.1	128.4	146.8	165.1	183.4
7 ft.	25.0	50.0	74.9	99.9	124.9	149.8	174.8	199.8	224.7	249.7
8 ft.	32.6	65.2	97.8	130.4	163.1	195.7	228.3	260.9	293.5	326.2
9 ft.	41.2	82.6	123.8	165.1	206.4	247.7	288.9	330.2	371.5	412.7
10 ft.	51.0	101.9	152.9	203.8	254.8	305.8	356.7	407.7	458.6	509.6
12 ft.	73.3	146.8	220.2	293.5	366.9	440.3	513.7	587.0	660.4	733.8
14 ft.	99.9	199.7	299.6	399.5	499.4	599.3	699.1	799.0	898.9	998.8
15 ft.	114.7	229.3	344.0	458.6	573.3	688.0	802.6	917.3	1031.9	1146.6
16 ft.	130.4	260.9	391.3	521.8	652.3	782.8	913.2	1043.6	1174.1	1304.5
18 ft.	165.1	330.3	495.3	660.4	825.6	990.6	1155.7	1320.9	1486.0	1651.1
20 ft.	203.8	407.7	611.5	815.4	1019.2	1223.0	1426.9	1630.7	1834.6	2038.4
24 ft.	293.5	587.0	880.6	1174.1	1467.6	1761.1	2054.7	2348.2	2641.7	2935.3

## CHART NO. 3

## CONICAL PILES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	6.4	12.7	19.1	25.5						
6 ft.	9.2	18.4	27.5	36.7	45.9					
7 ft.	12.5	25.0	37.5	49.9	62.4	74.9				
8 ft.	16.3	32.6	48.9	65.2	81.5	97.8	114.2			
9 ft.	20.7	41.2	61.9	82.6	103.2	123.8	144.5	165.1		
10 ft.	25.5	51.0	76.4	101.9	127.4	152.9	178.4	203.8	229.3	
12 ft.	36.7	73.3	110.1	146.8	183.4	220.2	256.8	293.5	330.2	366.9
14 ft.	49.9	99.9	149.8	199.7	249.7	299.6	349.6	399.5	449.5	499.4
16 ft.	65.2	130.4	195.7	260.9	326.2	391.3	456.6	521.8	587.0	652.3
18 ft.	82.6	165.1	247.7	330.2	412.7	495.3	577.9	660.4	743.0	825.6
20 ft.	101.9	203.8	305.8	407.7	509.6	611.5	713.4	815.4	917.3	1019.2
24 ft.	146.8	293.5	440.3	587.0	733.8	880.6	1027.4	1174.1	1320.9	1467.6

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	12.0	24.0	48.0	72.0	96.0	120.0	144.0	168.0	192.0	216.0	240.0
6x 7	14.0	28.0	56.0	84.0	112.0	140.0	168.0	196.0	224.0	252.0	280.0
6x 8	16.0	32.0	64.0	96.0	128.0	160.0	192.0	224.0	256.0	288.0	320.0
6x 9	18.0	36.0	72.0	108.0	144.0	180.0	216.0	252.0	288.0	324.0	360.0
6x10	20.0	40.0	80.0	120.0	160.0	200.0	240.0	280.0	320.0	360.0	400.0
7x 7	16.3	32.7	65.3	98.0	130.7	163.3	196.0	228.7	261.3	294.0	326.7
7x 8	18.7	37.3	74.7	112.0	149.3	186.7	224.0	261.3	298.7	336.0	373.3
7x 9	21.0	42.0	84.0	126.0	168.0	210.0	252.0	294.0	336.0	378.0	420.0
	½	1	2	3	4	5	6	7	8	9	10
7x10	23.3	46.7	93.3	140.0	186.7	233.3	280.0	326.7	373.3	420.0	466.7
8x 8	21.3	42.7	85.3	128.0	170.7	213.3	256.0	298.7	341.3	384.0	426.7
8x 9	24.0	48.0	96.0	144.0	192.0	240.0	288.0	336.0	384.0	432.0	480.0
8x10	26.7	53.3	106.7	160.0	213.3	266.7	320.0	373.3	426.7	480.0	533.3
9x10	30.0	60.0	120.0	180.0	240.0	300.0	360.0	420.0	480.0	540.0	600.0
9x12	36.0	72.0	144.0	216.0	288.0	360.0	432.0	504.0	576.0	648.0	720.0
9x14	42.0	84.0	168.0	252.0	336.0	420.0	504.0	588.0	672.0	756.0	840.0
	½	1	2	3	4	5	6	7	8	9	10
10x10	33.3	66.7	133.3	200.0	266.7	333.3	400.0	466.7	533.3	600.0	666.7
10x12	40.0	80.0	160.0	240.0	320.0	400.0	480.0	560.0	640.0	720.0	800.0
10x14	46.7	93.3	186.7	280.0	373.3	466.7	560.0	653.3	746.7	840.0	933.3
10x16	53.3	106.7	213.3	320.0	426.7	533.3	640.0	746.7	853.3	960.0	1066.7
10x18	60.0	120.0	240.0	360.0	480.0	600.0	720.0	840.0	960.0	1080.0	1200.0
10x20	66.7	133.3	266.7	400.0	533.3	666.7	800.0	933.3	1066.7	1200.0	1333.3
12x12	48.0	96.0	192.0	288.0	384.0	480.0	576.0	672.0	768.0	864.0	960.0
12x14	56.0	112.0	224.0	336.0	448.0	560.0	672.0	784.0	896.0	1008.0	1120.0
12x16	64.0	128.0	256.0	384.0	512.0	640.0	768.0	896.0	1024.0	1152.0	1280.0
	½	1	2	3	4	5	6	7	8	9	10
14x14	65.3	130.7	261.3	392.0	522.7	653.3	784.0	914.7	1045.3	1176.0	1306.7
14x16	74.7	149.3	298.7	448.0	597.3	746.7	896.0	1045.3	1194.7	1344.0	1493.3
14x18	84.0	168.0	336.0	504.0	672.0	840.0	1008.0	1176.0	1344.0	1512.0	1680.0
16x16	85.3	170.7	341.3	512.0	682.7	853.3	1024.0	1194.7	1365.3	1536.0	1706.6
16x18	96.0	192.0	384.0	576.0	768.0	960.0	1152.0	1344.0	1536.0	1728.0	1920.0
16x20	106.7	213.3	426.7	640.0	853.3	1066.7	1280.0	1493.3	1706.7	1920.0	2133.3
18x18	108.0	216.0	432.0	648.0	864.0	1080.0	1296.0	1512.0	1728.0	1944.0	2160.0
18x20	120.0	240.0	480.0	720.0	960.0	1200.0	1440.0	1680.0	1920.0	2160.0	2400.0
20x24	160.0	320.0	640.0	960.0	1280.0	1600.0	1920.0	2240.0	2560.0	2880.0	3200.0
24x24	192.0	384.0	768.0	1152.0	1536.0	1920.0	2304.0	2688.0	3072.0	3456.0	3840.0
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHELS					
5 ft.	13.0	26.0	39.0	52.0	65.0	78.0	91.0	104.0		
6 ft.	18.6	37.4	56.2	74.8	93.6	112.3	131.0	149.7	168.5	187.2
7 ft.	25.5	51.0	76.4	101.9	127.4	152.8	178.3	203.8	229.3	254.8
8 ft.	33.2	66.6	99.8	133.1	166.4	199.7	233.0	266.2	299.5	332.8
9 ft.	42.1	84.2	126.3	168.5	210.6	252.8	294.8	336.9	379.1	421.2
10 ft.	52.0	104.0	156.0	208.0	260.0	312.0	364.0	416.0	468.0	520.0
12 ft.	74.8	149.8	224.7	299.5	374.4	449.2	524.2	599.0	673.9	748.8
14 ft.	101.9	203.8	305.7	407.7	509.6	611.5	713.4	815.3	917.3	1019.2
15 ft.	117.0	234.0	351.0	468.0	585.0	702.0	819.0	936.0	1053.0	1170.0
16 ft.	133.1	266.2	399.3	532.5	665.6	798.8	931.8	1064.9	1198.1	1331.2
18 ft.	168.5	337.0	505.4	673.9	842.4	1010.8	1179.3	1347.8	1516.3	1684.8
20 ft.	208.0	416.0	624.0	832.0	1040.0	1248.0	1456.0	1664.0	1872.0	2080.0
24 ft.	299.5	599.0	898.6	1198.1	1497.6	1797.1	2096.7	2396.2	2695.7	2995.2

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHELS					
5 ft.	6.5	13.0	19.5	26.0						
6 ft.	9.3	18.7	28.1	37.4	46.8					
7 ft.	12.7	25.5	38.2	50.9	63.7	76.4				
8 ft.	16.6	33.3	49.9	66.6	83.2	99.8	116.5			
9 ft.	21.1	42.1	63.2	84.2	105.3	126.3	147.5	168.5		
10 ft.	26.0	52.0	78.0	104.0	130.0	156.0	182.0	208.0	234.0	
12 ft.	37.4	74.8	112.3	149.7	187.2	224.6	262.1	299.5	336.9	374.4
14 ft.	50.9	101.9	152.8	203.8	254.8	305.7	356.7	407.7	458.7	509.6
16 ft.	66.6	133.1	199.7	266.2	332.8	399.3	465.9	532.5	599.0	665.6
18 ft.	84.2	168.5	252.7	336.9	421.2	505.4	589.7	673.9	758.2	842.4
20 ft.	104.0	208.0	312.0	416.0	520.0	624.0	728.0	832.0	936.0	1040.0
24 ft.	149.8	299.5	449.3	599.0	748.8	898.6	1048.3	1198.1	1347.8	1497.6

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	12.2	24.5	49.0	73.4	97.9	122.4	146.9	171.4	195.8	220.3	244.8
6x 7	14.3	28.6	57.1	85.7	114.2	142.8	171.4	199.9	228.5	257.0	285.6
6x 8	16.3	32.6	65.3	97.9	130.6	163.2	195.8	228.5	261.1	293.8	326.4
6x 9	18.4	36.7	73.4	110.2	146.9	183.6	220.3	257.0	293.8	330.5	367.2
6x10	20.4	40.8	81.6	122.4	163.2	204.0	244.8	285.6	326.4	367.2	408.0
7x 7	16.7	33.3	66.6	100.0	133.3	166.6	199.9	233.2	266.6	299.9	333.2
7x 8	19.0	38.1	76.2	114.2	152.3	190.4	228.5	266.6	304.6	342.7	380.8
7x 9	21.4	42.8	85.7	128.5	171.4	214.2	257.0	299.9	342.7	385.6	428.4
	½	1	2	3	4	5	6	7	8	9	10
7x10	23.8	47.6	95.2	142.8	190.4	238.0	285.6	333.2	380.8	428.4	476.0
8x 8	21.8	43.5	87.0	130.6	174.1	217.6	261.1	304.6	348.2	391.7	435.2
8x 9	24.5	49.0	97.9	146.9	195.8	244.8	293.8	342.7	391.7	440.6	489.6
8x10	27.2	54.4	108.8	163.2	217.6	272.0	326.4	380.8	435.2	489.6	544.0
9x10	30.6	61.2	122.4	183.6	244.8	306.0	367.2	428.4	489.6	550.8	612.0
9x12	36.7	73.4	146.9	220.3	293.8	367.2	440.6	514.1	587.5	661.0	734.4
9x14	42.8	85.7	171.4	257.0	342.7	428.4	514.1	599.8	685.4	771.1	856.8
	½	1	2	3	4	5	6	7	8	9	10
10x10	34.0	68.0	136.0	204.0	272.0	340.0	408.0	476.0	544.0	612.0	680.0
10x12	40.8	81.6	163.2	244.8	326.4	408.0	489.6	571.2	652.8	734.4	816.0
10x14	47.6	95.2	190.4	285.6	380.8	476.0	571.2	666.4	761.6	856.8	952.0
10x16	54.4	108.8	217.6	326.4	435.2	544.0	652.8	761.6	870.4	979.2	1088.0
10x18	61.2	122.4	244.8	367.2	489.6	612.0	734.4	856.8	979.2	1101.6	1224.0
10x20	68.0	136.0	272.0	408.0	544.0	680.0	816.0	952.0	1088.0	1224.0	1360.0
12x12	49.0	97.9	195.8	293.8	391.7	489.6	587.5	685.4	783.4	881.3	979.2
12x14	57.1	114.2	228.5	342.7	457.0	571.2	685.4	799.7	913.9	1028.2	1142.4
12x16	65.3	130.6	261.1	391.7	522.2	652.8	783.4	913.9	1044.5	1175.0	1305.6
	½	1	2	3	4	5	6	7	8	9	10
14x14	66.6	133.3	266.6	399.8	533.1	666.4	799.7	933.0	1066.2	1199.5	1332.8
14x16	76.2	152.3	304.6	457.0	609.3	761.6	913.9	1066.2	1218.6	1370.9	1523.2
14x18	85.7	171.4	342.7	514.1	685.4	856.8	1028.2	1199.5	1370.9	1542.2	1713.6
16x16	87.0	174.1	348.2	522.2	696.3	870.4	1044.5	1218.6	1392.6	1566.7	1740.8
16x18	97.9	195.8	391.7	587.5	783.4	979.2	1175.0	1370.9	1566.7	1762.6	1958.4
16x20	108.8	217.6	435.2	652.8	870.4	1088.0	1305.6	1523.2	1740.8	1958.4	2176.0
18x18	110.2	220.3	440.6	661.0	881.3	1101.6	1321.9	1542.2	1762.6	1982.9	2203.2
18x20	122.4	244.8	489.6	734.4	979.2	1224.0	1468.8	1713.6	1958.4	2203.2	2448.0
20x24	163.2	326.4	652.8	979.2	1305.6	1632.0	1958.4	2284.8	2611.2	2937.6	3264.0
24x24	195.8	391.7	783.4	1175.0	1566.7	1958.4	2350.1	2741.8	3133.4	3525.1	3916.8
	½	1	2	3	4	5	6	7	8	9	10

## CHART NO. 2

## CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	13.3	26.5	39.8	53.0	66.3	79.6	92.8	106.1		
6 ft.	19.1	38.2	57.3	76.3	95.5	114.6	133.6	152.7	171.9	190.9
7 ft.	26.0	52.0	77.9	103.9	130.0	155.9	181.9	207.9	233.9	259.9
8 ft.	33.9	67.9	101.8	135.7	169.7	203.7	237.7	271.6	305.5	339.5
9 ft.	42.9	85.9	128.9	171.9	214.8	257.8	300.7	343.7	386.7	430.0
10 ft.	53.0	106.1	159.1	212.2	265.2	318.2	371.3	424.3	477.4	530.4
12 ft.	76.3	152.7	229.2	305.5	381.9	458.2	534.6	611.0	687.4	763.8
14 ft.	103.9	207.9	311.9	415.8	519.8	623.7	727.7	831.6	935.6	1039.6
15 ft.	119.3	238.7	358.0	477.4	596.7	716.0	835.4	954.7	1074.1	1193.4
16 ft.	135.7	271.6	407.3	543.1	678.9	814.7	950.5	1086.2	1222.0	1357.8
18 ft.	171.9	343.7	515.5	687.4	859.3	1031.0	1202.9	1374.8	1546.7	1718.5
20 ft.	212.2	424.3	636.5	848.6	1060.8	1273.0	1485.1	1697.3	1909.4	2121.6
24 ft.	305.5	611.0	916.5	1220.0	1527.5	1833.0	2138.6	2444.1	2749.6	3055.1

## CHART NO. 3

## CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	6.6	13.3	19.9	26.5						
6 ft.	9.5	19.1	28.6	38.2	47.8					
7 ft.	13.0	26.0	39.0	51.9	64.9	77.9				
8 ft.	17.0	33.9	50.9	67.9	84.8	101.8	118.8			
9 ft.	21.5	42.9	64.4	85.9	107.4	128.9	150.4	171.9		
10 ft.	26.5	53.0	79.6	106.1	132.6	159.1	185.6	212.2	238.7	
12 ft.	38.2	76.3	114.6	152.7	190.9	229.2	267.3	305.5	343.7	381.9
14 ft.	51.9	104.0	155.9	207.9	259.9	311.9	363.9	415.8	467.8	519.8
16 ft.	67.9	135.7	203.7	271.6	339.5	407.3	475.2	543.1	611.0	678.9
18 ft.	85.9	171.9	257.8	343.7	429.6	515.5	601.5	687.4	773.3	859.3
20 ft.	106.1	212.2	318.2	424.3	530.4	636.5	742.6	848.6	954.7	1060.8
24 ft.	152.7	305.5	458.2	611.0	763.8	916.5	1069.3	1222.0	1374.8	1527.5

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	12.5	25.0	49.9	74.9	99.8	124.8	149.8	174.7	199.7	224.6	249.6
6x 7	14.6	29.1	58.2	87.4	116.5	145.6	174.7	203.8	233.0	262.1	291.2
6x 8	16.6	33.3	66.6	99.8	133.1	166.4	199.7	233.0	266.2	299.5	332.8
6x 9	18.7	37.4	74.9	112.3	149.8	187.2	224.6	262.1	299.5	337.0	374.4
6x10	20.8	41.6	83.2	124.8	166.4	208.0	249.6	291.2	332.8	374.4	416.0
7x 7	17.0	34.0	67.9	101.9	135.9	169.9	203.8	237.8	271.8	305.8	339.7
7x 8	19.4	38.8	77.6	116.5	155.3	194.1	233.0	271.8	310.6	349.4	388.3
7x 9	21.8	43.7	87.4	131.0	174.7	218.4	262.1	305.8	349.4	393.1	436.8
	½	1	2	3	4	5	6	7	8	9	10
7x10	24.3	48.5	97.1	145.6	194.1	242.7	291.2	339.7	388.3	436.8	485.3
8x 8	22.2	44.4	88.7	133.1	177.5	221.9	266.2	310.6	355.0	399.4	433.7
8x 9	25.0	49.9	99.8	149.8	199.7	249.6	299.5	349.4	399.4	449.3	499.2
8x10	27.7	55.5	110.9	166.4	221.9	277.3	332.8	388.3	443.7	499.2	554.7
9x10	31.2	62.4	124.8	187.2	249.6	312.0	374.4	436.8	499.2	561.6	624.0
9x12	37.4	74.9	149.8	224.6	299.5	374.4	449.3	524.2	599.0	673.9	748.8
9x14	43.7	87.4	174.7	262.1	349.4	436.8	524.2	611.5	698.9	786.2	873.6
	½	1	2	3	4	5	6	7	8	9	10
10x10	34.7	69.3	138.7	208.0	277.3	346.7	416.0	485.3	554.7	624.0	693.3
10x12	41.6	83.2	166.4	249.6	332.8	416.0	499.2	582.4	665.6	748.8	832.0
10x14	48.5	97.1	194.1	291.2	388.3	485.3	582.4	679.5	776.5	873.6	970.7
10x16	55.5	110.9	221.9	332.8	443.7	554.7	665.6	776.5	887.5	998.4	1109.3
10x18	62.4	124.8	249.6	374.4	499.2	624.0	748.8	873.6	998.4	1123.2	1248.0
10x20	69.3	138.7	277.3	416.0	554.7	693.3	832.0	970.7	1109.3	1248.0	1386.7
12x12	49.9	99.8	199.7	299.5	399.4	499.2	599.0	698.9	798.7	898.6	998.4
12x14	58.2	116.5	233.0	349.4	465.9	582.4	698.9	815.4	931.8	1048.3	1164.8
12x16	66.6	133.1	266.2	399.4	532.5	665.6	798.7	931.8	1065.0	1198.1	1331.2
	½	1	2	3	4	5	6	7	8	9	10
14x14	67.9	135.9	271.8	407.7	543.6	679.5	815.4	951.2	1087.1	1223.0	1358.9
14x16	77.6	155.3	310.6	465.9	621.2	776.5	931.8	1087.1	1242.4	1397.8	1553.1
14x18	87.4	174.7	349.4	524.2	698.9	873.6	1048.3	1223.0	1397.8	1572.5	1747.2
16x16	88.7	177.5	355.0	532.5	710.0	887.5	1065.0	1242.4	1419.9	1597.4	1774.9
16x18	99.8	199.7	399.4	599.0	798.7	998.4	1198.1	1397.8	1597.4	1797.1	1996.8
16x20	110.9	221.9	443.7	665.6	887.5	1109.3	1331.2	1553.1	1774.9	1996.8	2218.7
18x18	112.3	224.6	449.3	673.9	898.6	1123.2	1347.8	1572.5	1797.1	2020.1	2246.4
18x20	124.8	249.6	499.2	748.8	998.4	1248.0	1497.6	1747.2	1996.8	2246.4	2496.0
20x24	166.4	332.8	665.6	998.4	1331.2	1664.0	1996.8	2329.6	2662.4	2995.2	3328.0
24x24	199.7	399.4	798.7	1198.1	1597.4	1996.8	2396.2	2795.5	3194.9	3594.2	3993.6
	½	1	2	3	4	5	6	7	8	9	10



CHART NO. 2

CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHELS					
5 ft.	13.5	27.0	40.6	54.1	67.6	81.1	94.6	108.2		
6 ft.	19.5	38.9	58.4	77.8	97.3	116.8	136.2	155.7	175.2	194.6
7 ft.	26.5	53.0	79.5	106.0	132.5	158.9	185.5	212.0	238.5	265.0
8 ft.	34.6	69.2	103.8	138.4	173.1	207.6	242.3	276.9	311.5	346.1
9 ft.	43.8	87.6	131.4	175.2	219.0	262.9	306.6	350.4	394.2	438.0
10 ft.	54.1	108.2	162.2	216.3	270.4	324.5	378.6	432.6	486.7	540.8
12 ft.	77.8	155.7	233.6	311.5	389.4	467.2	545.1	623.0	700.9	778.8
14 ft.	106.0	212.0	318.0	424.0	530.0	636.0	741.9	847.9	953.9	1059.9
15 ft.	121.7	243.4	365.0	486.7	608.4	730.1	851.8	973.4	1095.1	1216.8
16 ft.	138.4	276.9	415.3	553.8	692.2	830.7	969.1	1107.5	1246.0	1384.4
18 ft.	175.2	350.5	525.6	700.9	876.1	1051.3	1226.5	1401.7	1577.0	1752.2
20 ft.	216.3	432.6	649.0	865.3	1081.6	1297.9	1514.2	1730.6	1946.9	2163.2
24 ft.	311.5	623.0	934.5	1246.0	1557.5	1869.0	2180.5	2492.0	2803.5	3115.0

CHART NO. 3

CONICAL PILES

Grain → Grain	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHELS					
5 ft.	6.8	13.5	20.3	27.0						
6 ft.	9.7	19.5	29.2	38.9	48.7					
7 ft.	13.3	26.5	39.8	52.9	66.2	79.5				
8 ft.	17.3	34.6	51.9	69.2	86.5	103.8	121.2			
9 ft.	21.9	43.8	65.7	87.6	109.5	131.4	153.4	175.2		
10 ft.	27.0	54.1	81.1	108.2	135.2	162.2	189.3	216.3	243.4	
12 ft.	38.9	77.8	116.8	155.7	194.7	233.6	272.6	311.5	350.4	389.4
14 ft.	53.0	106.0	158.9	212.0	265.0	318.0	371.0	424.0	477.0	530.0
16 ft.	69.2	138.4	207.6	277.0	346.1	415.3	484.6	553.8	623.0	692.2
18 ft.	87.6	175.2	262.9	350.4	438.0	525.6	613.2	700.9	788.5	876.1
20 ft.	108.2	216.3	324.5	432.6	540.8	649.0	757.1	865.3	973.4	1081.6
24 ft.	155.7	311.5	467.2	623.0	778.8	934.5	1090.3	1246.0	1401.7	1557.5

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	12.7	25.4	50.9	76.3	101.8	127.2	152.6	178.1	203.5	229.0	254.4
6x 7	14.8	29.7	59.4	89.0	118.7	148.4	178.1	207.8	237.4	267.1	296.8
6x 8	17.0	33.9	67.8	101.8	135.7	169.6	203.5	237.4	271.4	305.3	339.2
6x 9	19.1	38.2	76.3	114.5	152.6	190.8	229.0	267.1	305.3	343.4	381.6
6x10	21.2	42.4	84.8	127.2	169.6	212.0	254.4	296.8	339.2	381.6	424.0
7x 7	17.3	34.6	69.2	103.9	138.5	173.1	207.8	242.4	277.0	311.6	346.3
7x 8	19.8	39.6	79.1	118.7	158.3	197.9	237.4	277.0	316.6	356.2	395.7
7x 9	22.3	44.5	89.0	133.6	178.1	222.6	267.1	311.6	356.2	400.7	445.2
	½	1	2	3	4	5	6	7	8	9	10
7x10	24.7	49.5	98.9	148.4	197.9	247.3	296.8	346.3	395.7	445.2	494.7
8x 8	22.6	45.2	90.4	135.7	180.9	226.1	271.4	316.6	361.8	407.0	452.3
8x 9	25.4	50.9	101.8	152.6	203.5	254.4	305.3	356.2	407.0	457.9	508.8
8x10	28.3	56.5	113.1	169.6	226.1	282.7	339.2	395.7	452.3	508.8	565.3
9x10	31.8	63.6	127.2	190.8	254.4	318.0	381.6	445.2	508.8	572.4	636.0
9x12	38.2	76.3	152.6	229.0	305.3	381.6	457.9	534.2	610.6	686.9	763.2
9x14	44.5	89.0	178.1	267.1	356.2	445.2	534.2	623.3	712.3	801.4	890.4
	½	1	2	3	4	5	6	7	8	9	10
10x10	35.3	70.7	141.3	212.0	282.7	353.3	424.0	494.7	565.3	636.0	706.7
10x12	42.4	84.8	169.6	254.4	339.2	424.0	508.8	593.6	678.4	763.2	848.0
10x14	49.5	98.9	197.9	296.8	395.7	494.7	593.6	692.5	791.5	890.4	989.3
10x16	56.5	113.1	226.1	339.2	452.3	565.3	678.4	791.5	904.5	1017.6	1130.7
10x18	63.6	127.2	254.4	381.6	508.8	636.0	763.2	890.4	1017.6	1144.8	1272.0
10x20	70.7	141.3	282.7	424.0	565.3	706.7	848.0	989.3	1130.7	1272.0	1413.3
12x12	50.9	101.8	203.5	305.3	407.0	508.8	610.6	712.3	814.1	915.8	1017.6
12x14	59.4	118.7	237.4	356.2	474.9	593.6	712.3	831.0	949.8	1068.5	1187.2
12x16	67.8	135.7	271.4	407.0	542.7	678.4	814.1	949.8	1085.4	1221.1	1356.8
	½	1	2	3	4	5	6	7	8	9	10
14x14	69.2	138.5	277.0	415.5	554.0	692.5	831.0	969.5	1108.0	1246.6	1385.1
14x16	79.1	158.3	316.6	474.9	633.2	791.5	949.8	1108.0	1266.3	1424.6	1582.9
14x18	89.0	178.1	356.2	534.2	712.3	890.4	1068.5	1246.6	1424.6	1602.7	1780.8
16x16	90.4	180.9	361.8	542.7	723.6	904.5	1085.4	1266.3	1447.2	1628.2	1809.1
16x18	101.8	203.5	407.0	610.6	814.1	1017.6	1221.1	1424.6	1628.2	1831.7	2035.2
16x20	113.1	226.1	452.3	678.4	904.5	1130.7	1356.8	1582.9	1809.1	2035.2	2261.3
18x18	114.5	229.0	457.9	686.9	915.8	1144.8	1373.8	1602.7	1831.7	2060.6	2290.0
18x20	127.2	254.4	508.8	763.2	1017.6	1272.0	1526.4	1780.8	2035.2	2290.0	2544.0
20x24	169.6	339.2	678.4	1017.6	1356.8	1696.0	2035.2	2374.4	2713.6	3052.8	3392.0
24x24	203.5	407.0	814.1	1221.1	1628.2	2035.2	2442.2	2849.3	3256.3	3663.4	4070.4
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	13.8	27.6	41.3	55.1	68.9	82.7	96.5	110.2		
6 ft.	19.9	39.7	59.5	79.3	99.2	119.1	138.9	158.7	178.6	198.4
7 ft.	27.0	54.1	81.0	108.0	135.1	162.0	189.0	216.1	243.1	270.1
8 ft.	35.2	70.6	105.8	141.1	176.4	211.6	247.0	282.2	317.5	352.8
9 ft.	44.6	89.3	133.9	178.6	223.2	267.9	312.5	357.1	401.8	446.4
10 ft.	55.1	110.2	165.4	220.5	275.6	330.7	385.8	441.0	496.1	551.2
12 ft.	79.3	158.7	238.1	317.5	396.9	476.2	555.6	634.9	714.3	793.8
14 ft.	108.0	216.1	324.1	432.1	540.2	648.2	756.2	864.2	972.3	1080.3
15 ft.	124.0	248.0	372.1	496.1	620.1	744.1	868.1	992.2	1116.2	1240.2
16 ft.	141.1	282.2	423.3	564.4	705.5	846.7	987.7	1128.8	1270.0	1411.0
18 ft.	178.6	357.2	535.7	714.3	893.0	1071.5	1250.1	1428.7	1607.3	1785.9
20 ft.	220.5	441.0	661.4	881.9	1102.4	1322.9	1543.4	1763.8	1984.3	2204.8
24 ft.	317.5	634.9	952.5	1270.0	1587.4	1904.9	2222.5	2539.9	2857.4	3174.9

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	6.9	13.8	20.7	27.6						
6 ft.	9.9	19.9	29.8	39.7	49.6					
7 ft.	13.5	27.0	40.5	54.0	67.5	81.0				
8 ft.	17.7	35.3	52.9	70.6	88.2	105.8	123.5			
9 ft.	22.3	44.6	66.9	89.3	111.6	133.9	156.3	178.6		
10 ft.	27.6	55.1	82.7	110.2	137.8	165.4	192.9	220.5	248.0	
12 ft.	39.7	79.3	119.1	158.7	198.4	238.1	277.8	317.5	357.1	396.9
14 ft.	54.0	108.0	162.0	216.1	270.1	324.1	378.1	432.1	486.2	540.1
16 ft.	70.6	141.1	211.6	282.2	352.8	423.3	493.9	564.4	634.9	705.5
18 ft.	89.3	178.6	267.9	357.1	446.4	535.7	625.0	714.3	803.6	893.0
20 ft.	110.2	220.5	330.7	441.0	551.2	661.4	771.7	881.9	992.2	1102.4
24 ft.	158.7	317.5	476.2	634.9	793.8	952.5	1111.2	1270.0	1428.7	1587.4

Depth Grain →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary											
	BUSHEL										
6x 6	13.0	25.9	51.8	77.8	103.7	129.6	155.5	181.4	207.4	233.3	259.2
6x 7	15.1	30.2	60.5	90.7	121.0	151.2	181.4	211.7	241.9	272.2	302.4
6x 8	17.3	34.6	69.1	103.7	138.2	172.8	207.4	241.9	276.5	311.0	345.6
6x 9	19.4	38.9	77.8	116.6	155.5	194.4	233.3	272.2	311.0	349.9	388.8
6x10	21.6	43.2	86.4	129.6	172.8	216.0	259.2	302.4	345.6	388.8	432.0
7x 7	17.6	35.3	70.6	105.8	141.1	176.4	211.7	247.0	282.2	317.5	352.8
7x 8	20.2	40.3	80.6	121.0	161.3	201.6	241.9	282.2	322.6	362.9	403.2
7x 9	22.7	45.4	90.7	136.1	181.4	226.8	272.2	317.5	362.9	408.2	453.6
	½	1	2	3	4	5	6	7	8	9	10
7x10	25.2	50.4	100.8	151.2	201.6	252.0	302.4	352.8	403.2	453.6	504.0
8x 8	23.0	46.1	92.2	138.2	184.3	230.4	276.5	322.6	368.6	414.7	460.8
8x 9	25.9	51.8	103.7	155.5	207.4	259.2	311.0	362.9	414.7	466.6	518.4
8x10	28.8	57.6	115.2	172.8	230.4	288.0	345.6	403.2	460.8	518.4	576.0
9x10	32.4	64.8	129.6	194.4	259.2	324.0	388.8	453.6	518.4	583.2	648.0
9x12	38.9	77.8	155.5	233.3	311.0	388.8	466.6	544.3	622.1	699.8	777.6
9x14	45.4	90.7	181.4	272.2	362.9	453.6	544.3	635.0	725.8	816.5	907.2
	½	1	2	3	4	5	6	7	8	9	10
10x10	36.0	72.0	144.0	216.0	288.0	360.0	432.0	504.0	576.0	648.0	720.0
10x12	43.2	86.4	172.8	259.2	345.6	432.0	518.4	604.8	691.2	777.6	864.0
10x14	50.4	100.8	201.6	302.4	403.2	504.0	604.8	705.6	806.4	907.2	1008.0
10x16	57.6	115.2	230.4	345.6	460.8	576.0	691.2	806.4	921.6	1036.8	1152.0
10x18	64.8	129.6	259.2	388.8	518.4	648.0	777.6	907.2	1036.8	1166.4	1296.0
10x20	72.0	144.0	288.0	432.0	576.0	720.0	864.0	1008.0	1152.0	1296.0	1440.0
12x12	51.8	103.7	207.4	311.0	414.7	518.4	622.1	725.8	829.4	933.1	1036.8
12x14	60.5	121.0	241.9	362.9	483.8	604.8	725.8	846.7	967.7	1088.6	1210.0
12x16	69.1	138.2	276.5	414.7	553.0	691.2	829.4	967.7	1105.9	1244.2	1382.4
	½	1	2	3	4	5	6	7	8	9	10
14x14	70.6	141.1	282.2	423.4	564.5	705.6	846.7	987.8	1129.0	1270.1	1411.2
14x16	80.6	161.3	322.6	483.8	645.1	806.4	967.7	1129.0	1290.2	1451.5	1612.8
14x18	90.7	181.4	362.9	544.3	725.8	907.2	1088.6	1270.1	1451.5	1633.0	1814.4
16x16	92.2	184.3	368.6	553.0	737.3	921.6	1105.9	1290.2	1474.6	1658.9	1843.2
16x18	103.7	207.4	414.7	622.1	829.4	1036.8	1244.2	1451.5	1658.9	1866.2	2073.6
16x20	115.2	230.4	460.8	691.2	921.6	1152.0	1382.4	1612.8	1843.2	2073.6	2304.0
18x18	116.6	233.3	466.6	699.8	933.1	1166.4	1399.7	1633.0	1866.2	2099.5	2332.8
18x20	129.6	259.2	518.4	777.6	1036.8	1296.0	1555.2	1814.4	2073.6	2332.8	2592.0
20x24	172.8	345.6	691.2	1036.8	1382.4	1728.0	2073.6	2419.2	2764.8	3110.4	3456.0
24x24	207.4	414.7	829.4	1244.2	1658.9	2073.6	2488.3	2903.0	3317.8	3732.5	4147.2
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	14.0	28.1	42.1	56.2	70.2	84.2	98.3	112.3		
6 ft.	20.2	40.4	60.7	80.8	101.1	121.3	141.5	161.7	182.0	202.1
7 ft.	27.5	55.1	82.5	110.1	137.6	165.1	192.6	220.1	247.7	275.2
8 ft.	35.9	71.9	107.8	143.7	179.7	215.6	251.6	287.6	323.5	359.5
9 ft.	45.5	91.0	136.4	182.0	227.4	273.0	318.4	363.9	409.4	454.9
10 ft.	56.2	112.3	168.5	224.6	280.8	337.0	393.1	449.3	505.4	561.6
12 ft.	80.8	161.7	242.6	323.5	404.4	485.2	566.1	646.9	727.8	808.7
14 ft.	110.1	220.1	330.2	440.3	550.3	660.4	770.5	880.6	990.6	1100.7
15 ft.	126.4	252.7	379.1	505.4	631.8	758.2	884.5	1010.9	1137.2	1263.6
16 ft.	143.7	287.5	431.3	575.1	718.8	862.6	1006.4	1150.1	1293.9	1437.7
18 ft.	182.0	364.0	545.8	727.8	909.8	1091.7	1273.7	1455.7	1637.6	1819.6
20 ft.	224.6	449.3	673.9	898.6	1123.2	1347.8	1572.5	1797.1	2021.8	2246.4
24 ft.	323.5	646.9	970.5	1293.9	1617.4	1940.8	2264.4	2587.9	2911.3	3234.8

CHART NO. 3

CONICAL PILES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	7.0	14.0	21.1	28.1						
6 ft.	10.1	20.2	30.3	40.4	50.6					
7 ft.	13.8	27.5	41.3	55.0	68.8	82.5				
8 ft.	18.0	35.9	53.9	71.9	89.8	107.8	125.8			
9 ft.	22.8	45.5	68.2	91.0	113.8	136.4	159.3	182.0		
10 ft.	28.1	56.2	84.2	112.3	140.4	168.5	196.6	224.6	252.7	
12 ft.	40.4	80.8	121.3	161.7	202.1	242.6	283.1	323.5	363.9	404.4
14 ft.	55.0	110.1	165.1	220.1	275.2	330.2	385.3	440.3	495.4	550.3
16 ft.	71.9	143.7	215.6	287.5	359.5	431.3	503.2	575.1	646.9	718.8
18 ft.	91.0	182.0	273.0	363.9	454.9	545.8	636.8	727.8	818.8	909.8
20 ft.	112.3	224.6	337.0	449.3	561.6	673.9	786.2	898.6	1010.9	1123.2
24 ft.	161.7	323.5	485.2	646.9	808.7	970.5	1132.2	1293.9	1455.7	1617.4

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary					BUSHEL						
6x 6	13.2	26.4	52.8	79.2	105.6	132.0	158.4	184.8	211.2	237.6	264.0
6x 7	15.4	30.8	61.6	92.4	123.2	154.0	184.8	215.6	246.4	277.2	308.0
6x 8	17.6	35.2	70.4	105.6	140.8	176.0	211.2	246.4	281.6	316.8	352.0
6x 9	19.8	39.6	79.2	118.8	158.4	198.0	237.6	277.2	316.8	356.4	396.0
6x10	22.0	44.0	88.0	132.0	176.0	220.0	264.0	308.0	352.0	396.0	440.0
7x 7	18.0	35.9	71.9	107.8	143.7	180.0	215.6	251.5	287.5	323.4	359.3
7x 8	20.5	41.1	82.1	123.2	164.3	205.3	246.4	287.5	328.5	369.6	410.7
7x 9	23.1	46.2	92.4	138.6	184.8	231.0	277.2	323.4	369.6	415.8	462.0
	½	1	2	3	4	5	6	7	8	9	10
7x10	25.7	51.3	102.7	154.0	205.3	256.7	308.0	359.3	410.7	462.0	513.3
8x 8	23.5	46.9	93.9	140.8	187.7	234.7	281.6	328.5	375.5	422.4	469.3
8x 9	26.4	52.8	105.6	158.4	211.2	264.0	316.8	369.6	422.4	475.2	528.0
8x10	29.3	58.7	117.3	176.0	234.7	293.3	352.0	410.7	469.3	528.0	586.7
9x10	33.0	66.0	132.0	198.0	264.0	330.0	396.0	462.0	528.0	594.0	660.0
9x12	39.6	79.2	158.4	237.6	316.8	396.0	475.2	554.4	633.6	712.8	792.0
9x14	46.2	92.4	184.8	277.2	369.6	462.0	554.4	646.8	739.2	831.6	924.0
	½	1	2	3	4	5	6	7	8	9	10
10x10	36.7	73.3	146.7	220.0	293.3	366.7	440.0	513.3	586.7	660.0	733.3
10x12	44.0	88.0	176.0	264.0	352.0	440.0	528.0	616.0	704.0	792.0	880.0
10x14	51.3	102.7	205.3	308.0	410.7	513.3	616.0	718.7	821.3	924.0	1026.7
10x16	58.7	117.3	234.7	352.0	469.3	586.7	704.0	821.3	938.7	1056.0	1173.3
10x18	66.0	132.0	264.0	396.0	528.0	660.0	792.0	924.0	1056.0	1188.0	1320.0
10x20	73.3	146.7	293.3	440.0	586.7	733.3	880.0	1026.7	1173.3	1320.0	1466.7
12x12	52.8	105.6	211.2	316.8	422.4	528.0	633.6	739.2	844.8	950.4	1056.0
12x14	61.6	123.2	246.4	369.6	492.8	616.0	739.2	862.4	985.6	1108.8	1232.0
12x16	70.4	140.8	281.6	422.4	563.2	704.0	844.8	985.6	1126.4	1267.2	1408.0
	½	1	2	3	4	5	6	7	8	9	10
14x14	71.9	143.7	287.5	431.2	574.9	718.7	862.4	1006.1	1149.9	1293.6	1437.3
14x16	82.1	164.3	328.5	492.8	657.1	821.3	985.6	1149.9	1314.1	1478.4	1642.7
14x18	92.4	184.8	369.6	554.4	739.2	924.0	1108.8	1293.6	1478.4	1663.2	1848.0
16x16	93.9	187.7	375.5	563.2	750.9	938.7	1126.4	1314.1	1501.9	1689.6	1877.3
16x18	105.6	211.2	422.4	633.6	844.8	1056.0	1267.2	1478.4	1689.6	1900.8	2112.0
16x20	117.3	234.7	469.3	704.0	938.7	1173.3	1408.0	1642.7	1877.3	2112.0	2346.7
18x18	118.8	237.6	475.2	712.8	950.4	1188.0	1425.6	1663.2	1900.8	2138.4	2376.0
18x20	132.0	264.0	528.0	792.0	1056.0	1320.0	1584.0	1848.0	2112.0	2376.0	2640.0
20x24	176.0	352.0	704.0	1056.0	1408.0	1760.0	2112.0	2464.0	2816.0	3168.0	3520.0
24x24	211.2	422.4	844.8	1267.2	1689.6	2112.0	2534.4	2956.8	3379.2	3801.6	4224.0
	½	1	2	3	4	5	6	7	8	9	10



CHART NO. 2

CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	14.3	28.6	42.9	57.2	71.5	85.8	100.1	114.4		
6 ft.	20.6	41.2	61.8	82.3	102.9	123.6	144.1	164.7	185.3	205.9
7 ft.	28.0	56.1	84.0	112.1	140.1	168.1	196.2	224.2	252.3	280.3
8 ft.	36.6	73.2	109.8	146.4	183.0	219.6	256.3	292.9	329.4	366.1
9 ft.	46.3	92.7	139.0	185.4	231.6	278.0	324.3	370.6	417.0	463.3
10 ft.	57.2	114.4	171.6	228.8	286.0	343.2	400.4	457.6	514.8	572.0
12 ft.	82.3	164.7	247.1	329.4	411.8	494.2	576.6	658.9	741.3	823.7
14 ft.	112.1	224.2	336.3	448.4	560.5	672.6	784.8	896.9	1009.0	1121.1
15 ft.	128.7	257.4	386.1	514.8	643.5	772.2	900.9	1029.6	1158.3	1287.0
16 ft.	146.4	292.9	439.3	585.8	732.1	878.6	1025.0	1171.4	1317.9	1464.3
18 ft.	185.3	370.7	556.0	741.3	926.6	1111.9	1297.3	1482.6	1668.0	1853.3
20 ft.	228.8	457.6	686.4	915.2	1144.0	1372.8	1601.6	1830.4	2059.2	2288.0
24 ft.	329.4	658.9	988.4	1317.9	1647.3	1976.8	2306.3	2635.8	2965.2	3294.7

CHART NO. 3

CONICAL PILES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	7.1	14.3	21.4	28.6						
6 ft.	10.3	20.6	30.9	41.2	51.5					
7 ft.	14.0	28.0	42.1	56.0	70.0	84.0				
8 ft.	18.3	36.6	54.9	73.2	91.5	109.8	128.1			
9 ft.	23.2	46.3	69.5	92.7	115.9	139.0	162.2	185.3		
10 ft.	28.6	57.2	85.8	114.4	143.0	171.6	200.2	228.8	257.4	
12 ft.	41.2	82.3	123.6	164.7	205.9	247.1	288.3	329.4	370.6	411.8
14 ft.	56.0	112.1	168.1	224.2	280.3	336.3	392.4	448.4	504.5	560.5
16 ft.	73.2	146.4	219.6	292.9	366.1	439.3	512.5	585.7	658.9	732.1
18 ft.	92.7	185.4	278.0	370.6	463.3	556.0	648.6	741.3	834.0	926.6
20 ft.	114.4	228.8	343.2	457.6	572.0	686.4	800.8	915.2	1029.6	1144.0
24 ft.	164.7	329.4	494.2	658.9	823.7	988.4	1153.2	1317.9	1482.6	1647.3

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	13.4	26.9	53.8	80.6	107.5	134.4	161.3	188.2	215.0	241.9	268.8
6x 7	15.7	31.4	62.7	94.1	125.4	156.8	188.2	219.5	250.9	282.2	313.6
6x 8	17.9	35.8	71.7	107.5	143.4	179.2	215.0	250.9	286.7	322.6	358.4
6x 9	20.2	40.3	80.6	121.0	161.3	201.6	241.9	282.2	322.6	362.9	403.2
6x10	22.4	44.8	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2	448.0
7x 7	18.3	36.6	73.2	109.8	146.3	182.9	219.5	256.1	292.7	329.3	365.9
7x 8	20.9	41.8	83.6	125.4	167.2	209.1	250.9	292.7	334.5	376.3	418.1
7x 9	23.5	47.0	94.1	141.1	188.2	235.2	282.2	329.3	376.3	423.4	470.4
	½	1	2	3	4	5	6	7	8	9	10
7x10	26.1	52.3	104.5	156.8	209.1	261.3	313.6	365.9	418.1	470.4	522.7
8x 8	23.9	47.8	95.6	143.4	191.1	238.9	286.7	334.5	382.3	430.1	477.9
8x 9	26.9	53.8	107.5	161.3	215.0	268.8	322.6	376.3	430.1	483.8	537.6
8x10	29.9	59.7	119.5	179.2	238.9	298.7	358.4	418.1	477.9	537.6	597.3
9x10	33.6	67.2	134.4	201.6	268.8	336.0	403.2	470.4	537.6	604.8	672.0
9x12	40.3	80.6	161.3	241.9	322.6	403.2	483.8	564.5	645.1	725.8	806.4
9x14	47.0	94.1	188.2	282.2	376.3	470.4	564.5	658.6	752.6	846.7	940.8
	½	1	2	3	4	5	6	7	8	9	10
10x10	37.3	74.7	149.3	224.0	298.7	373.3	448.0	522.7	597.3	672.0	746.7
10x12	44.8	89.6	179.2	268.8	358.4	448.0	537.6	627.2	716.8	806.4	896.0
10x14	52.3	104.5	209.1	313.6	418.1	522.7	627.2	731.7	836.3	940.8	1045.3
10x16	59.7	119.5	238.9	358.4	477.9	597.3	716.8	836.3	955.7	1075.2	1194.7
10x18	67.2	134.4	268.8	403.2	537.6	672.0	806.4	940.8	1075.2	1209.6	1344.0
10x20	74.7	149.3	298.7	448.0	597.3	746.7	896.0	1045.3	1194.7	1344.0	1493.3
12x12	53.8	107.5	215.0	322.6	430.1	537.6	645.1	752.6	860.2	967.7	1075.2
12x14	62.7	125.4	250.9	376.3	501.8	627.2	752.6	878.1	1003.5	1129.0	1254.4
12x16	71.7	143.4	286.7	430.1	573.4	716.8	860.2	1003.5	1146.9	1290.2	1433.6
	½	1	2	3	4	5	6	7	8	9	10
14x14	73.2	146.3	292.7	439.0	585.4	731.7	878.1	1024.4	1170.8	1317.1	1463.5
14x16	83.6	167.2	334.5	501.8	669.0	836.3	1003.5	1170.8	1338.0	1505.3	1672.5
14x18	94.1	188.2	376.3	564.5	752.6	940.8	1129.0	1317.1	1505.3	1693.4	1881.6
16x16	95.6	191.1	382.3	573.4	764.6	955.7	1146.9	1338.0	1529.2	1720.3	1911.5
16x18	107.5	215.0	430.1	645.1	860.2	1075.2	1290.2	1505.3	1720.3	1935.4	2150.4
16x20	119.5	238.9	477.9	716.8	955.7	1194.7	1433.6	1672.5	1911.5	2150.4	2389.3
18x18	121.0	241.9	483.8	725.8	967.7	1209.6	1451.5	1693.4	1935.4	2177.3	2419.2
18x20	134.4	268.8	537.6	806.4	1075.2	1344.0	1612.8	1881.6	2150.4	2419.2	2688.0
20x24	179.2	358.4	716.8	1075.2	1433.6	1792.0	2150.4	2508.8	2867.2	3225.6	3584.0
24x24	215.0	430.1	860.2	1290.2	1720.3	2150.4	2580.5	3010.6	3440.6	3870.7	4300.8
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	14.6	29.1	43.7	58.2	72.8	87.4	101.9	116.5		
6 ft.	21.0	41.9	62.9	83.8	104.8	125.8	146.7	167.7	188.7	209.6
7 ft.	28.6	57.1	85.6	114.1	142.7	171.2	199.7	228.3	256.8	285.4
8 ft.	37.2	74.6	111.8	149.1	186.4	223.6	261.0	298.2	335.4	372.8
9 ft.	47.1	94.4	141.5	188.7	235.8	283.1	330.2	377.3	424.6	471.7
10 ft.	58.2	116.5	174.7	233.0	291.2	349.4	407.7	465.9	524.2	582.4
12 ft.	83.8	167.7	251.6	335.4	419.3	503.2	587.1	670.9	754.8	838.7
14 ft.	114.1	228.3	342.4	456.6	570.7	684.9	799.0	913.2	1027.3	1141.5
15 ft.	131.0	262.1	393.1	524.2	655.2	786.2	917.3	1048.3	1179.4	1310.4
16 ft.	149.0	298.2	447.2	596.4	745.4	894.6	1043.6	1192.7	1341.8	1490.9
18 ft.	188.7	377.4	566.1	754.8	943.5	1132.1	1320.8	1509.6	1698.3	1887.0
20 ft.	233.0	465.9	698.9	931.8	1164.8	1397.8	1630.7	1863.7	2096.6	2329.6
24 ft.	335.4	670.9	1006.4	1341.8	1677.3	2012.7	2348.3	2683.7	3019.1	3354.6

CHART NO. 3

CONICAL PILES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	7.3	14.6	21.8	29.1						
6 ft.	10.5	21.0	31.4	41.9	52.4					
7 ft.	14.3	28.6	42.8	57.0	71.3	85.6				
8 ft.	18.7	37.2	55.9	74.6	93.1	111.8	130.5			
9 ft.	23.6	47.1	70.7	94.4	118.0	141.5	165.2	188.7		
10 ft.	29.1	58.2	87.4	116.5	145.6	174.7	203.8	233.0	262.1	
12 ft.	41.9	83.8	125.8	167.7	209.6	251.6	293.5	335.4	377.3	419.3
14 ft.	57.0	114.1	171.2	228.3	285.4	342.4	399.6	456.6	513.7	570.7
16 ft.	74.6	149.1	223.6	298.2	372.8	447.3	521.8	596.4	670.9	745.4
18 ft.	94.4	188.7	283.1	377.3	471.7	566.1	660.4	754.8	849.1	943.5
20 ft.	116.5	233.0	349.4	465.9	582.4	698.9	815.4	931.8	1048.3	1164.8
24 ft.	167.7	335.4	503.2	670.9	838.7	1006.4	1174.1	1341.8	1509.6	1677.3

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	13.7	27.4	54.7	82.1	109.4	136.8	164.2	191.5	218.9	246.2	273.6
6x 7	16.0	31.9	63.8	95.8	127.7	159.6	191.5	223.4	255.4	287.3	319.2
6x 8	18.2	36.5	73.0	109.4	145.9	182.4	218.9	255.4	291.8	328.3	364.8
6x 9	20.5	41.0	82.1	123.1	164.2	205.2	246.2	287.3	328.3	369.4	410.4
6x10	22.8	45.6	91.2	136.8	182.4	228.0	273.6	319.2	364.8	410.4	456.0
7x 7	18.6	37.2	74.5	111.7	149.0	186.2	223.4	260.7	297.9	335.2	372.4
7x 8	21.3	42.6	85.1	127.7	170.2	212.8	255.4	297.9	340.5	383.0	425.6
7x 9	23.9	47.9	95.8	143.6	191.5	239.4	287.3	335.2	383.0	430.9	478.8
	½	1	2	3	4	5	6	7	8	9	10
7x10	26.6	53.2	106.4	159.6	212.8	266.0	319.2	372.4	425.6	478.8	532.0
8x 8	24.3	48.6	97.3	145.9	194.6	243.2	291.8	340.5	389.1	437.8	486.4
8x 9	27.4	54.7	109.4	164.2	218.9	273.6	328.3	383.0	437.8	492.5	547.2
8x10	30.4	60.8	121.6	182.4	243.2	304.0	364.8	425.6	486.4	547.2	608.0
9x10	34.2	68.4	136.8	205.2	273.6	342.0	410.4	478.8	547.2	615.6	684.0
9x12	41.0	82.1	164.2	246.2	328.3	410.4	492.5	574.6	656.6	738.7	820.8
9x14	47.9	95.8	191.5	287.3	383.0	478.8	574.6	670.3	766.1	861.8	957.6
	½	1	2	3	4	5	6	7	8	9	10
10x10	38.0	76.0	152.0	228.0	304.0	380.0	456.0	532.0	608.0	684.0	760.0
10x12	45.6	91.2	182.4	273.6	364.8	456.0	547.2	638.4	729.6	820.8	912.0
10x14	53.2	106.4	212.8	319.2	425.6	532.0	638.4	744.8	851.2	957.6	1064.0
10x16	60.8	121.6	243.2	364.8	486.4	608.0	729.6	851.2	972.8	1094.4	1216.0
10x18	68.4	136.8	273.6	410.4	547.2	684.0	820.8	957.6	1094.4	1231.2	1368.0
10x20	76.0	152.0	304.0	456.0	608.0	760.0	912.0	1064.0	1216.0	1368.0	1520.0
12x12	54.7	109.4	218.9	328.3	437.8	547.2	656.6	766.1	875.5	985.0	1094.4
12x14	63.8	127.7	255.4	383.0	510.7	638.4	766.1	893.8	1021.4	1149.1	1276.8
12x16	73.0	145.9	291.8	437.8	583.7	729.6	875.5	1021.4	1167.4	1313.3	1459.2
	½	1	2	3	4	5	6	7	8	9	10
14x14	74.5	149.0	297.9	446.9	595.8	744.8	893.8	1042.7	1191.7	1340.6	1489.6
14x16	85.1	170.2	340.5	510.7	681.0	851.2	1021.4	1191.7	1361.9	1532.2	1702.4
14x18	95.8	191.5	383.0	574.6	766.1	957.6	1149.1	1340.6	1532.2	1723.7	1915.2
16x16	97.3	194.6	389.1	583.7	778.2	972.8	1167.4	1361.9	1556.5	1751.0	1945.6
16x18	109.4	218.9	437.8	656.6	875.5	1094.4	1313.3	1532.2	1751.0	1969.9	2188.8
16x20	121.6	243.2	486.4	729.6	972.8	1216.0	1459.2	1702.4	1945.6	2188.8	2432.0
18x18	123.1	246.2	492.5	738.7	985.0	1231.2	1477.4	1723.7	1969.9	2216.2	2462.4
18x20	136.8	273.6	547.2	820.8	1094.4	1368.0	1641.6	1915.2	2188.8	2462.4	2736.0
20x24	182.4	364.8	729.6	1094.4	1459.2	1824.0	2188.8	2553.6	2918.4	3283.2	3648.0
24x24	218.9	437.8	875.5	1313.3	1751.0	2188.8	2626.6	3064.3	3502.1	3939.8	4377.6
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	14.8	29.6	44.5	59.3	74.1	88.9	103.7	118.6		
6 ft.	21.4	42.7	64.0	85.3	106.7	128.1	149.3	170.7	192.1	213.4
7 ft.	29.1	58.1	87.1	116.2	145.2	174.2	203.3	232.4	261.4	290.5
8 ft.	37.9	75.9	113.8	151.7	189.7	227.6	265.6	303.5	341.4	379.4
9 ft.	48.0	96.0	144.0	192.1	240.1	288.1	336.1	384.1	432.1	480.1
10 ft.	59.3	118.6	177.8	237.1	296.4	355.7	415.0	474.2	533.5	592.8
12 ft.	85.3	170.7	256.1	341.4	426.8	512.1	597.6	682.9	768.3	853.7
14 ft.	116.2	232.4	348.5	464.7	580.9	697.1	813.3	929.5	1045.7	1161.8
15 ft.	133.4	266.8	400.1	533.5	666.9	800.3	933.7	1067.0	1200.4	1333.8
16 ft.	151.7	303.5	455.2	607.2	758.8	910.6	1062.3	1214.0	1365.8	1517.5
18 ft.	192.1	384.2	576.2	768.3	960.3	1152.4	1344.4	1536.5	1728.6	1920.7
20 ft.	237.1	474.2	711.4	948.5	1185.6	1422.7	1659.8	1897.0	2134.1	2371.2
24 ft.	341.4	682.9	1024.4	1365.8	1707.2	2048.7	2390.2	2731.6	3073.1	3414.5

CHART NO. 3

CONICAL PILES

Grain → Depth	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	7.4	14.8	22.2	29.6						
6 ft.	10.6	21.4	32.0	42.6	53.4					
7 ft.	14.5	29.1	43.6	58.0	72.6	87.1				
8 ft.	19.0	37.9	56.9	75.9	94.8	113.8	132.8			
9 ft.	24.0	48.0	72.0	96.0	120.1	144.0	168.1	192.1		
10 ft.	29.6	59.3	88.9	118.6	148.2	177.8	207.5	237.1	266.8	
12 ft.	42.6	85.3	128.1	170.7	213.4	256.1	298.8	341.4	384.1	426.8
14 ft.	58.0	116.2	174.2	232.4	290.5	348.6	406.7	464.7	522.9	580.9
16 ft.	75.9	151.7	227.6	303.5	379.4	455.2	531.1	607.0	682.9	758.8
18 ft.	96.0	192.1	288.1	384.1	480.1	576.2	672.2	768.3	864.3	960.3
20 ft.	118.6	237.1	355.7	474.2	592.8	711.4	829.9	948.5	1067.0	1185.6
24 ft.	170.7	341.4	512.1	682.9	853.7	1024.4	1195.1	1365.8	1536.5	1707.2

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHELS										
6x 6	13.9	27.8	55.7	83.5	111.4	139.2	167.0	194.9	222.7	250.6	278.4
6x 7	16.2	32.5	65.0	97.4	129.9	162.4	194.9	227.4	259.8	292.3	324.8
6x 8	18.6	37.1	74.2	111.4	148.5	185.6	222.7	259.8	297.0	334.1	371.2
6x 9	20.9	41.8	83.5	125.3	167.0	208.8	250.6	292.3	334.1	375.8	417.6
6x10	23.2	46.4	92.8	139.2	185.6	232.0	278.4	324.8	371.2	417.6	464.0
7x 7	18.9	37.9	75.8	113.7	151.6	189.5	227.4	265.2	303.1	341.0	378.9
7x 8	21.6	43.3	86.6	129.9	173.2	216.5	259.8	303.1	346.4	389.8	433.1
7x 9	24.4	48.7	97.4	146.2	194.9	243.6	292.3	341.0	389.8	438.5	487.2
	½	1	2	3	4	5	6	7	8	9	10
7x10	27.1	54.1	108.3	162.4	216.5	270.7	324.8	378.9	433.1	487.2	541.3
8x 8	24.7	49.5	99.0	148.5	198.0	247.5	297.0	346.4	395.9	445.4	494.9
8x 9	27.8	55.7	111.4	167.0	222.7	278.4	334.1	390.0	445.4	501.1	556.8
8x10	30.9	61.9	123.7	185.6	247.5	309.3	371.2	433.1	494.9	556.8	618.7
9x10	34.8	69.6	139.2	208.8	278.4	348.0	417.6	487.2	556.8	626.4	696.0
9x12	41.8	83.5	167.0	250.6	334.1	417.6	501.1	584.6	668.2	751.7	835.2
9x14	48.7	97.4	194.9	292.3	389.8	487.2	584.6	682.1	779.5	877.0	974.4
	½	1	2	3	4	5	6	7	8	9	10
10x10	38.7	77.3	154.7	232.0	309.3	386.7	464.0	541.3	618.7	696.0	773.3
10x12	46.4	92.8	185.6	278.4	371.2	464.0	556.8	649.6	742.4	835.2	928.0
10x14	54.1	108.3	216.5	324.8	433.1	541.3	649.6	757.9	866.1	974.4	1082.7
10x16	61.9	123.7	247.5	371.2	494.9	618.7	742.4	866.1	989.9	1113.6	1237.3
10x18	69.6	139.2	278.4	417.6	556.8	696.0	835.2	974.4	1113.6	1252.8	1392.0
10x20	77.3	154.7	309.3	464.0	618.7	773.3	928.0	1082.7	1237.3	1392.0	1546.7
12x12	55.7	111.4	222.7	334.1	445.4	556.8	668.2	779.5	890.9	1002.2	1113.6
12x14	65.0	129.9	259.8	389.8	519.7	649.6	779.5	909.4	1039.4	1169.3	1299.2
12x16	74.2	148.5	297.0	445.4	593.9	742.4	890.9	1039.4	1187.8	1336.3	1484.8
	½	1	2	3	4	5	6	7	8	9	10
14x14	75.8	151.6	303.1	454.7	606.3	757.9	909.4	1061.0	1212.6	1364.2	1515.7
14x16	86.6	173.2	346.4	519.7	692.9	866.1	1039.4	1212.6	1385.8	1559.0	1732.3
14x18	97.4	194.9	389.8	584.6	779.5	974.4	1169.3	1364.2	1559.0	1753.9	1948.8
16x16	99.0	198.0	395.9	593.9	791.9	990.0	1187.8	1385.8	1583.8	1781.8	1979.7
16x18	111.4	222.7	445.4	668.2	890.9	1113.6	1336.3	1559.0	1781.8	2004.5	2227.2
16x20	123.7	247.5	494.9	742.4	989.9	1237.3	1484.8	1732.3	1979.7	2227.2	2474.7
18x18	125.3	250.6	501.1	751.7	1002.2	1252.8	1503.4	1753.9	2004.5	2255.0	2505.6
18x20	139.2	278.4	556.8	835.2	1113.6	1392.0	1670.4	1948.8	2227.2	2505.6	2784.0
20x24	185.6	371.2	742.4	1113.6	1484.8	1856.0	2227.2	2598.4	2969.6	3340.8	3712.0
24x24	222.7	445.4	890.9	1336.3	1781.8	2227.2	2672.6	3118.1	3563.5	4009.0	4454.4
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHEL					
5 ft.	15.1	30.2	45.2	60.3	75.4	90.5	105.6	120.6		
6 ft.	21.7	43.4	65.1	86.8	108.6	130.3	152.0	173.7	195.5	217.1
7 ft.	29.6	59.2	88.6	118.2	147.8	177.3	206.9	236.4	266.0	295.6
8 ft.	38.6	77.2	115.8	154.4	193.0	231.6	270.3	308.8	347.4	386.1
9 ft.	48.8	97.7	146.5	195.5	244.3	293.2	342.0	390.8	439.7	488.6
10 ft.	60.3	120.6	181.0	241.3	301.6	361.9	422.2	482.6	542.9	603.2
12 ft.	86.8	173.7	260.6	347.4	434.3	521.1	608.0	694.8	781.7	868.6
14 ft.	118.2	236.4	354.7	472.9	591.1	709.3	827.6	945.8	1064.0	1182.2
15 ft.	135.7	271.4	407.2	542.9	678.6	814.3	950.0	1085.8	1221.5	1357.2
16 ft.	154.4	308.8	463.2	617.7	772.1	926.5	1080.9	1235.3	1389.8	1544.1
18 ft.	195.5	390.9	586.3	781.7	977.2	1172.6	1368.0	1563.5	1758.9	1954.4
20 ft.	241.3	482.6	723.8	965.1	1206.4	1447.7	1689.0	1930.2	2171.5	2412.8
24 ft.	347.4	694.8	1042.3	1389.8	1737.2	2084.6	2432.1	2779.6	3127.0	3474.4

CHART NO. 3

CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter					BUSHEL					
5 ft.	7.5	15.1	22.6	30.2						
6 ft.	10.8	21.7	32.6	43.4	54.3					
7 ft.	14.8	29.6	44.4	59.1	73.9	88.6				
8 ft.	19.3	38.6	57.9	77.2	96.5	115.8	135.1			
9 ft.	24.4	48.8	73.3	97.7	122.2	146.5	171.1	195.5		
10 ft.	30.2	60.3	90.5	120.6	150.8	181.0	211.1	241.3	271.4	
12 ft.	43.4	86.8	130.3	173.7	217.1	260.6	304.0	347.4	390.8	434.3
14 ft.	59.1	118.2	177.3	236.4	295.6	354.7	413.8	472.9	532.0	591.1
16 ft.	77.2	154.4	231.6	308.8	386.1	463.2	540.5	617.7	694.8	772.1
18 ft.	97.7	195.5	293.2	390.8	488.6	586.3	684.0	781.7	879.5	977.2
20 ft.	120.6	241.3	361.9	482.6	603.2	723.8	844.5	965.1	1085.8	1206.4
24 ft.	173.7	347.4	521.2	694.8	868.6	1042.3	1216.1	1389.8	1563.5	1737.2

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary					BUSHEL						
6x 6	14.2	28.3	56.6	85.0	113.3	141.6	169.9	198.2	226.6	254.9	283.2
6x 7	16.5	33.0	66.1	99.1	132.2	165.2	198.2	321.3	264.3	297.4	330.4
6x 8	18.9	37.8	75.5	113.3	151.0	188.8	226.6	264.3	302.1	339.8	377.6
6x 9	21.2	42.5	85.0	127.4	169.9	212.4	254.9	297.4	339.8	382.3	424.8
6x10	23.6	47.2	94.4	141.6	188.8	236.0	283.2	330.4	377.6	424.8	472.0
7x 7	19.3	38.5	77.1	115.6	154.2	192.7	231.3	269.8	308.4	346.9	385.5
7x 8	22.0	44.0	88.1	132.2	176.2	220.3	264.3	308.4	352.4	396.5	440.5
7x 9	24.8	49.6	99.1	148.7	198.2	247.8	297.4	346.9	396.5	446.0	495.6
	½	1	2	3	4	5	6	7	8	9	10
7x10	27.5	55.1	110.1	165.2	220.3	275.3	330.4	385.5	440.5	495.6	550.7
8x 8	25.2	50.3	100.7	151.0	201.4	251.7	302.1	352.4	402.8	453.1	503.5
8x 9	28.3	56.6	113.3	169.9	226.6	283.2	339.8	396.5	453.1	509.8	566.4
8x10	31.5	62.9	125.9	188.9	251.7	314.7	377.6	440.5	503.5	566.4	629.3
9x10	35.4	70.8	141.6	212.4	283.2	354.0	424.8	495.6	566.4	637.2	708.0
9x12	42.5	85.0	169.9	254.9	339.8	424.8	509.8	594.7	679.7	764.6	849.6
9x14	49.6	99.1	198.2	297.4	396.5	495.6	594.7	693.8	793.0	892.1	991.2
	½	1	2	3	4	5	6	7	8	9	10
10x10	39.3	78.7	157.3	236.0	314.7	393.3	472.0	550.7	629.3	708.0	786.7
10x12	47.2	94.4	188.8	283.2	377.6	472.0	566.4	660.8	755.2	849.6	944.0
10x14	55.1	110.1	220.3	330.4	440.5	550.7	660.8	770.9	881.1	991.2	1101.3
10x16	62.9	125.9	251.7	377.6	503.5	629.3	755.2	881.1	1006.9	1132.8	1258.7
10x18	70.8	141.6	283.2	424.8	566.4	708.0	849.6	991.2	1132.8	1274.4	1416.0
10x20	78.7	157.3	314.7	472.0	629.3	786.7	944.0	1101.3	1258.7	1416.0	1573.3
12x12	56.6	113.3	226.6	339.8	453.1	566.4	679.7	793.0	906.2	1019.5	1132.8
12x14	66.1	132.2	264.3	396.5	528.6	660.8	793.0	925.1	1057.3	1189.4	1321.6
12x16	75.5	151.0	302.1	453.1	604.2	755.2	906.2	1057.3	1208.3	1359.4	1510.4
	½	1	2	3	4	5	6	7	8	9	10
14x14	77.1	154.2	308.4	462.6	616.7	770.9	925.1	1079.3	1233.5	1387.7	1541.9
14x16	88.1	176.2	352.4	528.6	704.8	881.1	1057.3	1233.5	1409.7	1585.9	1762.1
14x18	99.1	198.2	396.5	594.7	793.0	991.2	1189.4	1387.7	1585.9	1784.2	1982.4
16x16	100.7	201.4	402.8	604.2	805.5	1006.9	1208.3	1409.7	1611.1	1812.5	2013.9
16x18	113.3	226.6	453.1	679.7	906.2	1132.8	1359.4	1585.9	1812.5	2039.0	2265.6
16x20	125.9	251.7	503.5	755.2	1006.9	1258.7	1510.4	1762.1	2013.9	2265.6	2517.3
18x18	127.4	254.9	509.8	764.6	1019.5	1274.4	1529.3	1784.2	2039.0	2293.9	2548.8
18x20	141.6	283.2	566.4	849.6	1132.8	1416.0	1699.2	1982.4	2265.6	2548.8	2832.0
20x24	188.8	377.6	755.2	1132.8	1510.4	1888.0	2265.6	2643.2	3020.8	3398.4	3776.0
24x24	226.6	453.1	906.2	1359.4	1812.5	2265.6	2718.7	3171.8	3625.0	4078.1	4531.2
	½	1	2	3	4	5	6	7	8	9	10



## CHART NO. 2 CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	15.3	30.7	46.0	61.4	76.7	92.0	107.4	122.7		
6 ft.	22.1	44.1	66.3	88.3	110.4	132.5	154.6	176.7	198.8	220.8
7 ft.	30.1	60.2	90.2	120.3	150.3	180.3	210.4	240.5	270.6	300.7
8 ft.	39.2	78.6	117.8	157.0	196.4	235.6	274.9	314.2	353.4	392.7
9 ft.	49.7	99.4	149.1	198.8	248.5	298.2	347.9	397.6	447.3	497.0
10 ft.	61.4	122.7	184.1	245.4	306.8	368.2	429.5	490.9	552.2	613.6
12 ft.	88.3	176.7	265.1	353.4	441.8	530.1	618.5	706.8	795.2	883.6
14 ft.	120.3	240.5	360.8	481.0	601.3	721.6	841.8	962.1	1082.4	1202.6
15 ft.	138.1	276.1	414.2	552.2	690.3	828.4	966.4	1104.5	1242.5	1380.6
16 ft.	157.0	314.2	471.2	628.4	785.4	942.5	1099.6	1256.6	1413.7	1570.8
18 ft.	198.8	397.7	596.4	795.2	994.0	1192.8	1391.6	1590.4	1789.3	1988.1
20 ft.	245.4	490.9	736.3	981.8	1227.2	1472.6	1718.1	1963.5	2209.0	2454.4
24 ft.	353.4	706.8	1060.3	1413.7	1767.1	2120.6	2474.1	2827.5	3180.9	3534.3

## CHART NO. 3 CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHEL									
5 ft.	7.7	15.3	23.0	30.7						
6 ft.	11.0	22.1	33.1	44.1	55.3					
7 ft.	15.0	30.1	45.1	60.1	75.1	90.2				
8 ft.	19.7	39.2	58.9	78.6	98.1	117.8	137.5			
9 ft.	24.9	49.7	74.5	99.4	124.3	149.1	174.0	198.8		
10 ft.	30.7	61.4	92.0	122.7	153.4	184.1	214.8	245.4	276.1	
12 ft.	44.1	88.3	132.5	176.7	220.9	265.1	309.2	353.4	397.6	441.8
14 ft.	60.1	120.3	180.3	240.5	300.7	360.8	421.0	481.0	541.2	601.3
16 ft.	78.6	157.0	235.6	314.2	392.7	471.2	549.8	628.3	706.8	785.4
18 ft.	99.4	198.8	298.2	397.6	497.0	596.4	695.8	795.2	894.6	994.0
20 ft.	122.7	245.4	368.2	490.9	613.6	736.3	859.0	981.8	1104.5	1227.2
24 ft.	176.7	353.4	530.1	706.8	883.6	1060.3	1237.0	1413.7	1590.4	1767.1

Grain Depth →	½ ft.	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Size of Granary	BUSHEL										
6x 6	14.4	28.8	57.6	86.4	115.2	144.0	172.8	201.6	230.4	259.2	288.0
6x 7	16.8	33.6	67.2	100.8	134.4	168.0	201.6	235.2	268.8	302.4	336.0
6x 8	19.2	38.4	76.8	115.2	153.6	192.0	230.4	268.8	307.2	345.6	384.0
6x 9	21.6	43.2	86.4	129.6	172.8	216.0	259.2	302.4	345.6	388.8	432.0
6x10	24.0	48.0	96.0	144.0	192.0	240.0	288.0	336.0	384.0	432.0	480.0
7x 7	19.6	39.2	78.4	117.6	156.8	196.0	235.2	274.4	313.6	352.8	392.0
7x 8	22.4	44.8	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2	448.0
7x 9	25.2	50.4	100.8	151.2	201.6	252.0	302.4	352.8	403.2	453.6	504.0
	½	1	2	3	4	5	6	7	8	9	10
7x10	28.0	56.0	112.0	168.0	224.0	280.0	336.0	392.0	448.0	504.0	560.0
8x 8	25.6	51.2	102.4	153.6	204.8	256.0	307.2	358.4	409.6	460.8	512.0
8x 9	28.8	57.6	115.2	172.8	230.4	288.0	345.6	403.2	460.8	518.4	576.0
8x10	32.0	64.0	128.0	192.0	256.0	320.0	384.0	448.0	512.0	576.0	640.0
9x10	36.0	72.0	144.0	216.0	288.0	360.0	432.0	504.0	576.0	648.0	720.0
9x12	43.2	86.4	172.8	259.2	345.6	432.0	518.4	604.8	691.2	777.6	864.0
9x14	50.4	100.8	201.6	302.4	403.2	504.0	604.8	705.6	806.4	907.2	1008.0
	½	1	2	3	4	5	6	7	8	9	10
10x10	40.0	80.0	160.0	240.0	320.0	400.0	480.0	560.0	640.0	720.0	800.0
10x12	48.0	96.0	192.0	288.0	384.0	480.0	576.0	672.0	768.0	864.0	960.0
10x14	56.0	112.0	224.0	336.0	448.0	560.0	672.0	784.0	896.0	1008.0	1120.0
10x16	64.0	128.0	256.0	384.0	512.0	640.0	768.0	896.0	1024.0	1152.0	1280.0
10x18	72.0	144.0	288.0	432.0	576.0	720.0	864.0	1008.0	1152.0	1296.0	1440.0
10x20	80.0	160.0	320.0	480.0	640.0	800.0	960.0	1120.0	1280.0	1440.0	1600.0
12x12	57.6	115.2	230.4	345.6	460.8	576.0	691.2	806.4	921.6	1036.8	1152.0
12x14	67.2	134.4	268.8	403.2	537.6	672.0	806.4	940.8	1075.2	1209.6	1344.0
12x16	76.8	153.6	307.2	460.8	614.4	768.0	921.6	1075.2	1228.8	1382.4	1536.0
	½	1	2	3	4	5	6	7	8	9	10
14x14	78.4	156.8	313.6	470.4	627.2	784.0	940.8	1097.6	1254.4	1411.2	1568.0
14x16	89.6	179.2	358.4	537.6	716.8	896.0	1075.2	1254.4	1433.6	1612.8	1792.0
14x18	100.8	201.6	403.2	604.8	806.4	1008.0	1209.6	1411.2	1612.8	1814.4	2016.0
16x16	102.4	204.8	409.6	614.4	819.2	1024.0	1228.8	1433.6	1638.4	1843.2	2048.0
16x18	115.2	230.4	460.8	691.2	921.6	1152.0	1382.4	1612.8	1843.2	2073.6	2304.0
16x20	128.0	256.0	512.0	768.0	1024.0	1280.0	1536.0	1792.0	2048.0	2304.0	2560.0
18x18	129.6	259.2	518.4	777.6	1036.8	1296.0	1555.2	1814.4	2073.6	2332.8	2592.0
18x20	144.0	288.0	576.0	864.0	1152.0	1440.0	1728.0	2016.0	2304.0	2592.0	2880.0
20x24	192.0	384.0	768.0	1152.0	1536.0	1920.0	2304.0	2688.0	3072.0	3456.0	3840.0
24x24	230.4	460.8	921.6	1382.4	1843.2	2304.0	2764.8	3225.6	3686.4	4147.2	4608.0
	½	1	2	3	4	5	6	7	8	9	10

CHART NO. 2

## CIRCULAR GRANARIES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	15.6	31.2	46.8	62.4	78.0	93.6	109.2	124.8		
6 ft.	22.5	44.9	67.4	89.8	112.3	134.8	157.2	179.7	202.2	224.6
7 ft.	30.6	61.2	91.7	122.3	152.9	183.4	214.0	244.6	275.2	305.8
8 ft.	39.9	79.9	119.8	159.7	199.7	239.6	279.6	319.5	359.4	399.4
9 ft.	50.5	101.1	151.6	202.2	252.7	303.3	353.8	404.3	454.9	505.4
10 ft.	62.4	124.8	187.2	249.6	312.0	374.4	436.8	499.2	561.6	624.0
12 ft.	89.8	179.7	269.6	359.4	449.3	539.1	629.0	718.8	808.7	898.6
14 ft.	122.3	244.6	366.9	489.2	611.5	733.8	856.1	978.4	1100.7	1223.0
15 ft.	140.4	280.8	421.2	561.6	702.0	842.4	982.8	1123.2	1263.6	1404.0
16 ft.	159.7	319.5	479.2	639.0	798.7	958.5	1118.2	1277.9	1437.7	1597.4
18 ft.	202.2	404.4	606.5	808.7	1010.9	1213.0	1415.2	1617.4	1819.6	2021.8
20 ft.	249.6	499.2	748.8	998.4	1248.0	1497.6	1747.2	1996.8	2246.4	2496.0
24 ft.	359.4	718.8	1078.3	1437.7	1797.1	2156.5	2516.0	2875.4	3234.8	3594.2

CHART NO. 3

## CONICAL PILES

Grain Depth →	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Diameter	BUSHELS									
5 ft.	7.8	15.6	23.4	31.2						
6 ft.	11.2	22.5	33.7	44.9	56.2					
7 ft.	15.3	30.6	45.9	61.1	76.4	91.7				
8 ft.	20.0	39.9	59.9	79.9	99.8	119.8	139.8			
9 ft.	25.3	50.5	75.8	101.1	126.4	151.6	177.0	202.2		
10 ft.	31.2	62.4	93.6	124.8	156.0	187.2	218.4	249.6	280.8	
12 ft.	44.9	89.8	134.8	179.7	224.6	269.6	314.5	359.4	404.3	449.3
14 ft.	61.1	122.3	183.4	244.6	305.8	366.9	428.1	489.2	550.4	611.5
16 ft.	79.9	159.7	239.6	319.5	399.4	479.2	559.1	639.0	718.8	798.7
18 ft.	101.1	202.2	303.3	404.3	505.4	606.5	707.6	808.7	909.8	1010.9
20 ft.	124.8	249.6	374.4	499.2	624.0	748.8	873.6	998.4	1123.2	1248.0
24 ft.	179.7	359.4	539.1	718.8	898.6	1078.3	1258.0	1437.7	1617.4	1797.1

## INSTRUCTIONS

The following methods, examples and instructions will aid in calculating the bushels of wheat in granaries and piles also the proper application of charts 1, 2 and 3:

**Rectangular or square granaries:** Multiply the length by the width by the depth and then multiply by decimal 8.

**Example:** Granary 10 ft. x 10 ft., 6 ft. deep.

**Calculation:**  $10 \times 10 \times 6 = 600 \times .8 = 480.00 = 480$  bushels 60 lb. wheat.

**Circular granaries:** Multiply the diameter by the diameter times decimal 78. Then multiply by the depth of grain, then by decimal 8. This gives the number of bushels of 60 lb. wheat.

**Example:** Diameter equals 10 ft., depth of grain 6 ft.

**Calculation:**  $10 \times 10 \times .78 = 78.00 \times 6 = 468 \times .8 = 374.4 = 374$  bushels 60 lb. wheat.

**Conical Pile:** Multiply the diameter by the diameter by decimal 78. Then multiply by the depth of grain, then by decimal 8; this divided by 2 equals the number of bushels of 60 lb. wheat.

**Example:** Diameter 10 ft., height at centre 6 ft.

**Calculation:**  $10 \times 10 \times .78 = 78.00 \times 6 \times .8 = 374.4$  divided by 2 = 187.2 or 187 bushels 60 lb. wheat.